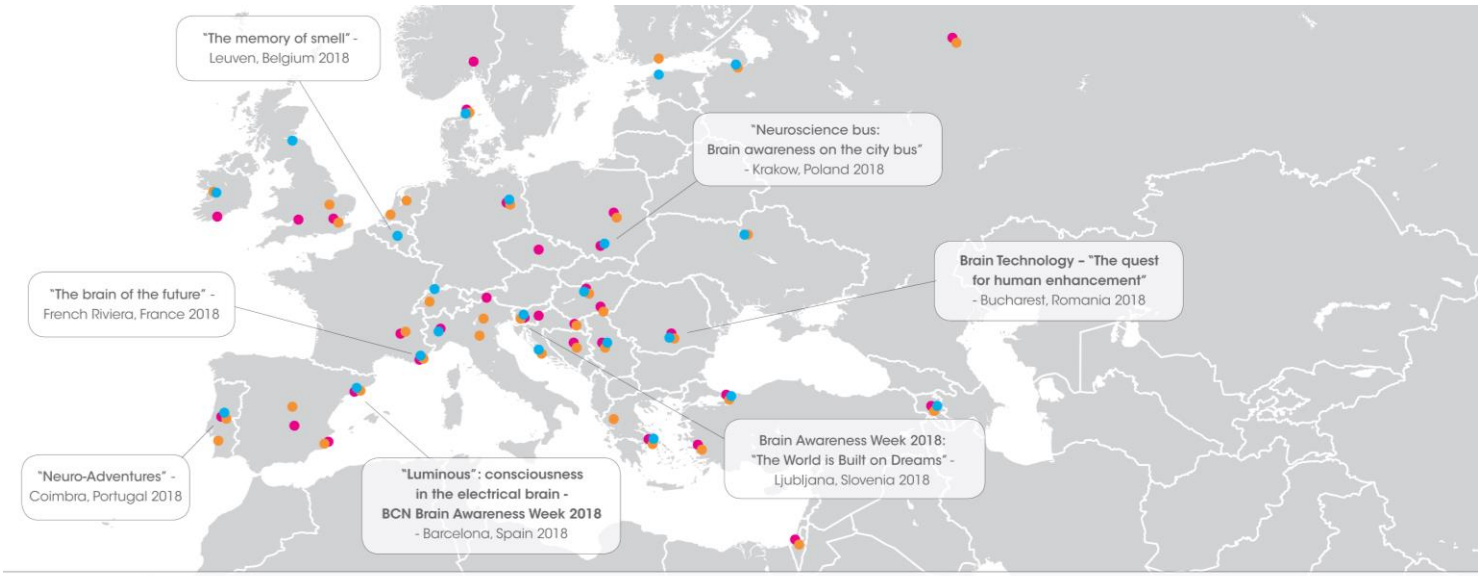
DANA foundation – FENS
funded European Brain Awareness Projects

Final Report 2018



2016

Armenia / Yerevan
Austria / Innsbruck
Bosnia and Herzegovina / Tuzla
Croatia / Zagreb, Zadar
Czech Republic / Hradec Kralove/Prague, Libechov
Denmark / Aalborg/Aarhus
France / La tronche/Grenoble, Valbonne (French Riviera), Marseille
Germany / Berlin
Greece / Amorgos island, Athens, Patras, Peloponnese, Salonika-Greece
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Israel / Haifa
Italy / Torino, Trieste
Norway / Oslo
Poland / Krakow, Warsaw
Portugal / Lisbon, Coimbra
Romania / Bucharest
Russia / Perm
Serbia / Belgrade
Slovenia / Ljubljana
Spain / Sant Joan d'Alacant, Toledo, Bellaterra
Turkey / Kocaeli, Izmir
United Kingdom / Bristol, London

2017

Armenia / Yerevan
Bosnia and Herzegovina / Tuzla
Croatia / Osijek, Zadar
Denmark / Aalborg Øst
Finland / Helsinki
France / Grenoble, Valbonne (French Riviera)
Germany / Berlin
Greece / Athens, Patras, Pyrgos, Amorgos, Nafpaktos in Greece, Ioannina
Hungary / Szeged, Budapest
Ireland / Galway
Israel / Jerusalem
Italy / Trieste, Verona, Reggio Emilia
Netherlands / Amsterdam
Poland / Warsaw
Portugal / Lisboa, Coimbra
Romania / Bucharest
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Serbia / Belgrade
Spain / Barcelona, Sant Joan d'Alacant, Madrid
Switzerland / Vaumarcus/Neuchâtel
Turkey / Gebze, Izmir
Ukraine / Kyiv
United Kingdom / Denmark Hill (london), Cambridge

2018

Armenia / Yerevan
Belgium / Leuven
Croatia / Zadar
Denmark / Aalborg Øst
Estonia / Tallin
France / French Riviera
Germany / Berlin
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Table of Contents

1. Introduction 3

2. Selection procedure 3

3. Selected projects 3

4. Reports of the selected projects 6

1. Brain Awareness Week 2018: Life without Stroke 6
2. The smell challenge 8
3. Brain Awareness Week in Zadar: Brain At Work 9
4. Hjerneugen 2018 (Brain Awareness Week 2018) 11
5. Ajutaju Nädal/Brain Awareness Week 2018 13
6. Brain Awareness 2018 in Paris 14
7. Events for the Brain Awareness Week 2018 in Tours: About memory and learning 16
8. Discovering the brain 17
9. Brain of the Future 18
10. Brain and Society : the world is changing… and our brain? 20
11. Brain Awareness Week Berlin 22
12. Our brain 24
13. Brain Awarness Days in Budapest: Learning and memory 26
14. Opening a window on the brain - Neuroscience in the public space 28
15. My Amazing Brain Exhibit 2018 30
16. Technology and Neuroscience: From Homo Sapiens to Homo Tecnologicus 31
17. Neuroscience bus; Brain awareness on the city bus 34
18. Neuro-Adventures 36
19. The wildlife of robots 38
20. The brain in psychiatric disorders 40
21. My Curious Brain – Youth for youth edition 42
22. Brain Technology - The quest for human enhancement 43
23. Smart brains 45
24. 5th St.-Petersburg Brain Awareness Week "BIOSENSORS" 46
25. Evolution Foundation Lectures as part of the Brain Awareness Week 48
26. Brain Awareness Week 2018 "Mind-full of Consciousness " 49
27. Brain Awareness Week 2018: The world is Build on Dreams 52
28. "SINAPSIS 2018: when BAW is part of a festival declared Intangible Heritage of Humanity" 54
29. Consciousness in the electrical brain 56
30. The Brain and its Environment 58
31. Istanbul-Kocaeli Brain Awareness Week 2018 58
32. Brain Days at Bogomoletz Institute of Physiology (BAW@BIPH) 60
33. Mad Hatter Grey Matter: A Brain Awareness Week Festival 63
34. London Brain Bee Competition 2018 65

1. Introduction

The Dana Foundation is offering financial support of up to 1,000 EUR to those who organise a brain awareness event during this period in March. The Dana Foundation has asked FENS to administer this support reserved for European organisations contributing to the Brain Awareness Week (BAW).

In 2018, the directors of The Dana Foundation once more approved a grant to FENS.

2. Selection procedure

FENS distributed the Dana grants in a competitive procedure. A call for applications was launched and the best projects were selected by a committee composed of members of Dana, EDAB and FENS:
Barbara Best (Dana Vice President & Director of Member Relations)
Eero Castren (FENS Secretary General elect)
Malgosia Kossut (EDAB Executive Committee Member)
Domenico Pellegrini-Giampietro (FENS Treasurer elect)
Roland Pochet (Belgian Brain Council Secretary General)
Eva Sykova (DABI and EDAB executive committees member)

3. Selected projects

76 applications from 26 different European countries were submitted, 35 projects in 22 different European countries were selected and could be supported by the Dana–FENS Grants.

The following BAW projects (listed by country) were selected for funding:

1. Brain Awareness Week 2018: Life without stroke - Senik Matinyan (Yerevan State Medical University, **Armenia**)

2. The memory of smell - Ann Van der Jeugd (KU Leuven, **Belgium**)

3. Brain at Work - Pavle Valerjev (University of Zadar, **Croatia**)

4. Hjerneugen 2018 (Brain Awareness Week 2018) - Thomas Alrik Sørensen (Aalborg University, **Denmark**)

5. Brain Awareness Week/Ajutaju Nädal 2018 - Sophie Imbeault (Tallinn University, **Estonia**)

6. Brain and Society: the world is changing… and our brain? - Olivier Bosler (CNRS, **France**)

7. Brain Awareness 2018 in Paris - Laurence Lanfumey (Inserm 894, **France**)

8. Events for the Brain Awareness Week 2018 in Tours: About memory and learning - Yves Tillet (INRA, **France**)

9. The brain of the future - Carole ROVERE (University of Nice Sophia Antipolis-Université Côte d'Azur, **France**)

10. Understand how the Brain works - Abdelhamid Benazzouz (Université de Bordeaux, **France**)

11. Brain Awareness Week Berlin - Margret Franke (Humboldt-Universität zu Berlin, **Germany**)

12. Hellenic Society for Neuroscience BAW 2018 - Christina Dalla (Medical School, National and Kapodistrian University of Athens, **Greece**)

13. Learning and memory: brain processes and ethological/social impacts - Emilia Madarász (Institute of Experimental Medicine of Hungarian Academy of Sciences, **Hungary**)

14. Opening a window on the brain - Neuroscience in the public space - Emil C Toescu (University Pecs, **Hungary**)

15. My Amazing Brain Exhibit 2018 - Karen Doyle (National University of Ireland, Galway, **Ireland**)

16. Technology and Neuroscience: From Homo Sapiens to Homo Tecnologicus - Giuseppe Zappala' (CentroScienza, **Italy**)

17. 'Neuroscience bus; Brain awareness on the city bus' - Rafal Rygula (Institute of Pharmacology Polish Academy of Sciences, **Poland**)

18. Neuro-Adventures - Sara Amaral (CNC.IBILI, **Portugal**)

19. The wildlife of robots: taking neuroscience thinking to a rural area in the interior of Portugal - Maria Vicente (Open Science Hub, Leiden University-Municipality of Figueira de Castelo Rodrigo (Portugal) & NeuroGEARS (United Kingdom), **Portugal**)

20. Brain Technology – The quest for human enhancement - Mihai Stancu (Carol Davila University of Medicine and Pharmacy, **Romania**)

21. My Curious Brain: Youth for Youth edition - Podina Ioana (University of Bucharest, **Romania**)

22. Smart Brains - Cristian Gurzu (National College N. Balcescu, **Romania**)

23. The brain in psychiatric disorders - Liana Kobylinska ("Dr. Constantin Gorgos" Titan Psychiatry Hospital, **Romania**)

24. 5th St.-Petersburg Brain Awareness Week: “BIOSENSORS” - Irina Sukhotina (Pavlov First St.-Petersburg State Medical University, **Russia**)

25. Series of public talks on neurosciences in three Russian cities organized by the Evolution Foundation - Denis Volkov (The Evolution Foundation, **Russia**)

26. Mind-full of Consciousness - Jelena Dragićević (Student Body of Serbian Neuroscience Society, **Serbia**)

27. Brain Awareness Week 2018: The World is Built on Dreams - Dolores Trol (SiNAPSA, Slovenian Association of Neuroscience, **Slovenia**)

28. “Luminous”: consciousness in the electrical brain - BCN-Brain Awareness Week 2018 - Mara Dierssen (Center for Genomic Regulation, **Spain**)

29. Sinapsis 2018: when BAW is part of a festival declared Intangible Heritage of Humanity - Lucia Hipolito (University of Valencia, **Spain**)

30. XV BAW in Murcia: the brain, the mind and the soul. - Maria Trinidad Herrero (University of Murcia, **Spain**)

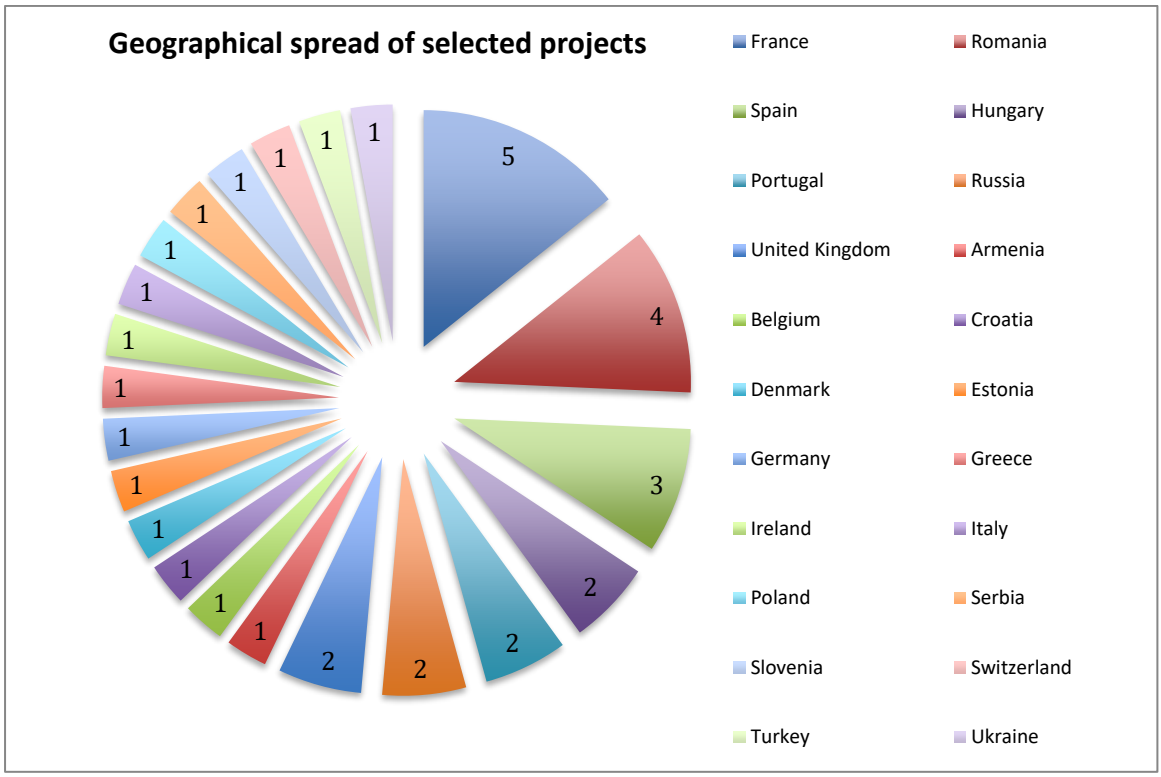
31. Free public evening lectures and discussions on research topics 'The Brain and its Environment' - Nicole Schaeren-Wiemers (University of Basel, **Switzerland**)

32. Istanbul-Kocaeli Brain Awareness Week 2018 - Isil Kurnaz (Gebze Technical University, **Turkey**)

33. Brain Days for schoolchildren - Andrii Cherninskyi (Bogomoletz Institute of Physiology (NAS of Ukraine), **Ukraine**)

34. London Brain Bee Competition Day - Martyna Petrulyte (British Brain Bee, **United Kingdom**)

35. Mad Hatter Grey Matter: A Brain Awareness Week Festival in Edinburgh - Jane Haley (University of Edinburgh, **United Kingdom**)



FENS warmly congratulates the grant winners!

4. Reports of the selected projects

1. Brain Awareness Week 2018: Life without Stroke

Dates and Duration: The whole BAW Week (7 Days)

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Yerevan State Medical University

Students' Scientific Society of Yerevan State Medical University has got a chance to organize Brain Awareness Week 2018 in Armenia for the second year in a row. Our team tried to make this week impressive and memorable.

"What does stroke represent? Why does it occur? What kind of impact does it have on the

human organism?" These are the most vital questions that currently interest people in the world. People try to find answers to their questions by consulting with doctors, reading feedbacks on the internet or some books related to their field of interest.

Recently the risk of the occurence of stroke and stroke-related deaths have increased extremely. This is the reason why this year we decided to explore stroke with its manifestations, risk factors, complications and treatment methods.

To broaden the audience we invited different media teams including Armenian First Public TV channel, which reported about Brain Awareness Week (https://goo.gl/ddQyZo). We also shared our activities on our Facebook,Twitter, and Instagram pages using #brainweek hashtag.

The event begun with the new platform called "Science Hub". We invited professor Zarouhi Karabekian (professor from the George Washington University and the head of Immunology and Tissue Engineering Laboratory at L.A.Orbeli Institute of Physiology) who talked about cell culture and application of this method for growing neurons, and lastly for recovering after stroke. Students and young scientists from different institutions were engaged in topic-related discussions.

On the second day of the week, our well-equipped team reached out to schools in Yerevan (school number 114 after Khachik Dashtenc high school, Ayb school, and Heratsi high school), Vanadzor (school number 5) and Gyumri ("Photon" College). We utilized the method of modern teaching - an interactive discussion, which helped us to integrate more high school students into the discussion and give them comprehensive knowledge on the topic. We explained the symptoms, risk factors,

and the possible preventions of the disease, as well as some simple, very quick and practical ways of recognizing stroke without being an expert.

The third day of our schedule was a students' conference. Students prepared speeches about cerebrovascular diseases and new methods used in neuroscience such as optogenetics. Optogenetics relies on the use of genetically-encoded proteins that change conformation in the presence of light to alter cell behavior. Students have discussed its' applications in stroke research and the basic principles.

The fourth day was special because we brought together our scientific clubs from different departments and faculties of our university to have an interactive discussion called Table Teams. Each team introduced the own aspect of the pathology and was specialized in indirect part of its initiation. We discussed the etiology, risk factors, epidemiology, pathological alterations, differential diagnosis, both conservative treatment and innovative methods of surgical intervention as well as prevention of stroke.

The "Do-A-Thon" event took place on the fifth day. Our creative and organized volunteers and participants worked in groups to build models of stroke by coding and managing physical models. All groups worked hard and were awarded certificates. At the end of the day, our creative team was involved in a joyful family photo of all volunteers and attending staff.

On the sixth day, we have organized a bicycle racing. The point of the race was to get society's attention on diseases that occur as a result of lack of physical activities and provide a chance to start healthy life in order to prevent supposedly upcoming stroke.

The closing ceremony of the week was watching a movie. We have watched "The Diving Bell and the Butterfly", after which we had a passionate debate and shared our impressions.

BAW, starting with its first organizational days up to the actual program implementation week, was an important stimulus for gaining more knowledge and skills for our participants. There were first-year university students who overcame the comprehensive tasks and did their best. For all those, who have never participated in such kind of events, BAW can be considered as the first important step in their development in the scientific field. In the frameworks of the event, students of public schools had the chance to leave the textbooks and penetrate deeper into finding out our brain's secrets with us.

All in all, we have completed our mission of organizing BAW Armenia 2018 with excitement and satisfaction, keeping the greatest traditions of previous years and implementing new ideas.

Related Links

https://drive.google.com/drive/folders/1UE6OnfkWJREWjSHoAWQet7U5v9HNLw5c

https://goo.gl/ddQyZo

https://www.facebook.com/events/1407639562678042/

https://twitter.com/sssofysmu?lang=en Scroll down,please

https://www.instagram.com/sss_ysmu/ Scroll down,please

Links about us:

University's official site:

https://goo.gl/mXw1y4

https://goo.gl/6VvKPg

https://goo.gl/uArL9n

Social media links:

https://www.youtube.com/watch?v=DCm9i5y44iQ

http://www.tert.am/am/news/2018/03/12/brain/2635841

2. The smell challenge

Dates and Duration: 14/03/2018

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We, the Laboratory of Biological Psychology, hosted a workshop for Brain Awareness Week 2018. Over 50 visitors participated in our event. All participants were welcomed with drinks and a 30 minutes introductory lecture about the brain, rodent research, and how olfaction can help us in unraveling neurodegenerative disorders, such as Alzheimer's disease and other dementias.

Next, kids, teens and adults were split up in groups and took part in the Smell Challenge where they were blindfolded and had to recognize several smells, and tell them what they reminded them of. There results and group differences were presented and discussed. After this, the visitors participated in a lab-tour where they experienced what it means to work in a behavioral research lab.

In the creative corner, children could color neurons and brains and learned interactively about how neurons communicate. At the end of the sessions, all visitors were handed a goody-bag with information about neuroscience and our laboratory, and a little souvenir in the form of a sliding puzzle and button as a reminder of this day.

The winner of the smell challenge competition got a Brain Awareness Week shirt. The winner of the coloring competition took home a cool crystal beveled cube paperweight, featuring a laser-etched, 3D brain. We've got a lot of positive feedback from the visitors about the activity. They've indicated that they've learned a lot about the brain, neuroscience and Alzheimer's research in general.

Related Links

http://www.doemijmaarwetenschap.be/activiteiten/brain-awareness-week-the-smell-challenge

https://twitter.com/avdjeugd/status/973626381212045320

https://www.instagram.com/p/BgRPBn5BzGb/?taken-by=annekevanderjeugd

3. Brain Awareness Week in Zadar: Brain At Work

Dates and Duration: The whole BAW Week (7 Days)

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The organizing team of Brain Awarenes Week in Zadar was consisted of the members of the Department of Psychology, University of Zadar with great help of our psychology students.

BAW in Zadar 2018 consisted of twelve activities that included lectures, workshops and demonstrations whose aim is to learn different age groups about brain functioning mechanisms. Brain models, power points presentations, video projections, neuroscience-colouring books were used to illustrate different brain structures and their functions. This is the list of our events.

Workshop: Brain House presentation

The aim of the workshop was to familiarize children with the most important functional regions of the brain. For this purpose, a modified Siegel and Payne Bryson model of brain house was used. The brain was presented to children as house with rooms upstairs (cortical areas) and downstairs (subcortical areas).

Workshop: How do the senses work?

The aim of the workshop was to present five senses to children. In order to emphasize the importance of each sense, children went through five demonstrative exercises: aiming the drawn target with pencil with their eyes closed, object recognition using only the sense of touch, etc.

Lecture and workshop: Teenage brain

The aim of the lecture and workshop was to introduce students of the eighth grade with brain development and changes occurring on a cognitive and socio-emotional level. Many teenagers do not understand what happens to them by entering puberty.

Lecture and workshop: Concentration and memory in old age – How to improve it?

This lecture was held in the Home for elderly people. Residents of the Home were acquainted with age related changes in brain structure and function and their influence on cognitive processes. How to differentiate between normal age-related changes in memory and signs of potential dementia was also emphasized.

Lecture: The effect of glucose on brain

Since brain is super rich in neurons, it is the most energy-demanding organ. In other words, glucose is the main brain fuel and brain without glucose could not function properly. However, too much glucose can cause damage to brain. The main goal of this presentation is to familiarise the parents of pre-schoolers with the relationship between glucose levels and brain functioning.

Lecture: How to deal with the new abilities of abstract thinking in teenagers?

The aim of the lectures is to inform parents about developmental changes in the brain and cognitive abilities during adolescence. The lecture will consider how cognitive process lead to dramatic changes in how adolescents conceptualize and reason about their social world, including the relation of the self to others.

Lecture: Use your brain! (two lectures of this topic were held for different children)

The goal of this lecture was to familiarise the students with the most effective techniques of memorising and learning. Moreover, they were shown various methods which were planned to help them master new course content. It is especially helpful through the transition from primary to high school when students are expected to adjust to greater academic challenges.

Round table: The brain breathes – the brain speaks: language development and encouraging communication in children. Studies show that an increasing number of children with developmental difficulties, as well as children with normal development, have problems with speaking. The aim of the round table would be to point to the risk factors associated with language development (neuro-risk, autistic spectrum disorders, etc.)

Workshop: Neurons in action. The aim of the workshop was to present brain, its parts and functions to preschool children in an interesting way. Also, they were shown brain images and they were given the materials to draw it if they wanted to.

Workshop: How does the brain work? The aim of the workshop was to make interesting presentation of the brain and its main functions to the preschool children. The colourful presentations and drawing tools were used.

Lecture – Key talk: Brain and visual illusions.

Visual illusions emerge because of the manner in which our brain processes the visual information. Sometimes, specific types of stimuli activate one or more specific brain mechanisms in an unexpected manner which results in visual illusion. Key lecturer Professor Dražen Domijan

(University of Rijeka) talked about brain mechanisms involved in the emergence of well-known and interesting visual illusions.

The local media (newspapers, radio stations and internet portals) were informed about the BAW events. We also covered the events on our BAW Facebook and web pages.

facebook.com/tjedanmozgaZD

unizd.hr/psihologija/tjedan-mozga

The main organizer, Professor Pavle Valerjev was invited to radio show on the local radio station to present the BAW to the public and to answer questions about the brain functions.

The organizers of the BAW in Zadar 2018 consider that the whole project was exceptionally successful.

Related Links
http://www.unizd.hr/psihologija/tjedan-mozga
https://www.facebook.com/tjedanmozgaZD/
https://ezadar.rtl.hr/dogadaji/2790559/17-tjedan-mozga-glavne-teme-uposleni-mozak-i-mozak-i-vidne-iluzije/



4. Hjerneugen 2018 (Brain Awareness Week 2018)

Dates and Duration: The whole BAW Week (7 Days)

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The Brain Awareness Week (Hjerneugen) in Denmark consisted of free public lectures in four major cities across the country; Copenhagen, Aarhus, Odense, and Aalborg.

Monday March 12th we opened the Brain Awareness Week in collaboration with HjerneForum and Folkeuniversitetet in Copenhagen with an official welcome and opening followed by three afternoon lectures on the brain and perception: Disruption of Visual Recognition after Brain Injury by professor MSO Randi Starrfelt, University of Copenhagen; Face-blindness by dr. psych. Christian Gerlach,

University of Southern Denmark; and Synaesthesia, do we all the same experience of the world by associate professor Thomas Alrik Sørensen, Aalborg University.

Tuesday March 13th the lectures moved to Odense combined with the 20 year anniversary of HjerneForum. In Odense we conducted three lectures:

Back to the Future: Movement and the ageing Brian by Albert Gjedde, University of Southern Denmark; What is Stroke and how can we prevent it? by Rune Skovgaard Rasmussen, University of Copenhagen; The Talented Brain – an introduction to the fascinating functions and how we can explore their nature by Nicolas Caesar Petersen, University of Copenhagen.

Wednesday March 14th we held an afternoon of lectures in Copenhagen at the Center of Social Sciences. Dementia by Kasper Jørgensen, Nationalt Videnscenter for Demens, Rigshospitalet, University of Copenhagen; Concussion - how does it affect the brain? by Hana Malá Rytter, Bispebjerg Hospital Rigshospitalet, University of Copenhagen; Consciousness, brain and movement by Mark Schram Christensen, University of Copenhagen; Multisensory perception by Tobias Andersen, Technical University Denmark; Gene therapy for brain disease by David Woldbye, University of Copenhagen.

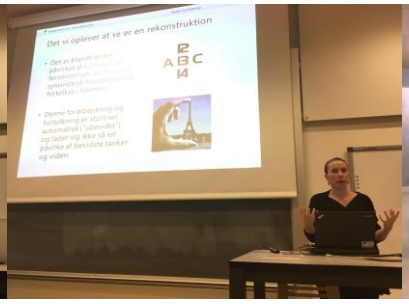
Thursday March 15th was held in Aarhus with the Center for Functional Integrative Neuroscience (CFIN) at Aarhus University Hospital. Again we opened the doors to the public for a number of free lectures followed by a small reception allowing people to talk with the presenters: The roles of dopamine and Serotonin in reward and addiction by Casper Schmidt, Aarhus University; Stroke – new methods for better diagnostics and treatment by Kim Ryun Drasbek, Aarhus University; Can women or men build the most "clever" brain? by Jens Randel Nyengaard, Aarhus Universitet; Brain injury and Hypnosis by Jonas Lindeløv, Aalborg University.

Finally, we wrapped up the brain awareness week in the northern part of Jutland in the city of Aalborg. The lectures here was; The roles of dopamine and Serotonin in reward and addiction by Casper Schmidt, Aarhus University; Back to the Future: Movement and the ageing Brian by Albert Gjedde, University of Southern Denmark; Synaesthesia: A World in Colours by Thea Mannix, Aalborg University; Reevaluating Memory by Jonas Olsen Dall, Aalborg Universitet.

Over the week we coordinated with a number of other national initiatives and there was some media interest in printed media, the internet (like videnskab.dk), and the national radio. Similar to previous years we updated information on social media allowing interested people to recieve easy access to updates and sharing of information (www.facebook.com/hjerneuge/). In addition the different universities helped promote the lectures on their internet news feeds.

Related Links

https://www.facebook.com/hjerneuge/



5. Ajutaju Nädal/Brain Awareness Week 2018

Dates and Duration: The whole BAW Week (7 Days)

Contact:

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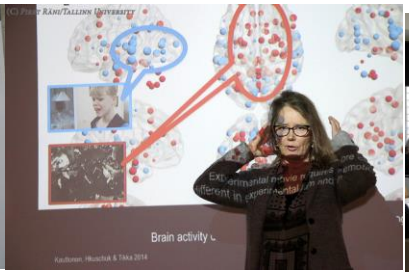
This is the second year of BAW events organised in Estonia by the School of Natural Sciences and Health and the Tallinn University Centre of Excellence in Behavioural and Neural Sciences. We had activities that reached across disciplines and age groups. Throughout the week, we used social media to disseminate a daily fact about the brain and/or brain researchers. This served both to educate and catch people's attention to promote our other BAW activities. The main event was lecture series held on March 12th showcasing local, national and international speakers. The event was open to all but mainly attracted students from Tallinn University (both undergraduate and graduate), staff and faculty. Dr. Pia Tikka (Tallinn University) presented a lecture about her research on the psychophysiological and emotional basis of cinematic systems titled "Let's go to movies – with a bunch of neuroscientists!". Prof. Talis Bachmann (University of Tartu) shared an overview of his work in "Brain and conscious experience: transcranial magnetic stimulation studies from Bachmann lab". Dr. Kairit Joost (East-Tallinn Central Hospital), a medical geneticist talked about "Parkinsonism: Disease and Genes" while our invited international speaker Dr. Erika Comasco (Uppsala University) discussed "Sex, hormones and the brain". Later in the week, two workshops were given to students at the International School of Estonia. Students from Grade 3 and from Grade 9 submitted questions about the brain and a custom workshop was created to answer them. Topics in Grade 3 concerned animal intelligence and learning, neuroanatomy, the octopus nervous system, effects of mindfulness meditation on the brain and whether there is a neural basis for monogamy. The Grade 9 workshop discussed who are neuroscientist and their personal origin stories (why they got interested in research), neuroanatomy, animal emotions and intelligence, the brain's reward system and the effect of drugs on the brain (both short- and long-term). We also had an art exhibition titled "The Brain as Art" on display outside the cafeteria of the science building from March 5 until April 15th. The vernissage took place on March 12th prior to the lecture series. The art pieces were gathered from current researchers at Tallinn University and collaborators from the University of Victoria (Canada) and University of Alberta (Canada). Some of the images re-interpreted research results as an homage to different styles of art while others showcased the beauty of the brain and brain cells. Part of this exhibition will find a permanent display in the School of Natural Sciences and Health. In the same exhibit area, we have our interactive art setup explaining the brain's role in the phenomenon of pareidolia and encouraging participants to use their imaginations by gazing into our cloud images and finding shapes and animals as many of us did when we were children! Overall the events were well received and we look forward to making BAW bigger and better in the future

Related Links

http://www.tlu.ee/BAW
https://www.facebook.com/events/1862182703855061/
https://twitter.com/tallinnuni
http://www.tlu.ee/ajutajunadal
https://www.flickr.com/photos/tallinnuniversity/albums/72157694473992045

6. Brain Awareness 2018 in Paris

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
Mrs. Isabelle Dusart

This year, the program of our events was built around three main themes: Function and Reparation, Cognition and Emotion, Brain and Society. In each theme, a variety of activity was proposed, conferences, workshops, discussions and mediation, and interactive courses at school.

By targeting these three themes, we wanted to reach specific objectives.

The first one was to give the keys to the general public to understand how the brain is working, how it develops its amazing capacities, and how it can be repair when injured. Our second objective was to explain how emotion and cognition are connected to enable the brain to work properly. The third objective has addressed the essential question of Science and Society. It is particularly true regarding Neuroscience.

In the Function and Reparation theme, several Conferences (Brain: its remarkable potential to adapt, Epilepsy: an open door to the brain, from neurons to conscience, the fabulous development of a baby brain….) Lab workshop (Sensorimotor platform: from a movement to a top rugby player athlete, the Baby Lab Visit, An afternoon in the Vision Institute…)and Science in the Bar events have been organized and were attended by many people.

In the Cognition and Emotion theme, Conferences (From sound to meaning: how to crack the code of speech? How to learn from our successes and our mistakes…Artistic musical and sound performance…Depression, what do we know about?), Lab workshop (An amazing excursion inside virtual environment A trip in Neuroscience A visit in a Living Lab, Ecocapture, what else? Human Machine Interface: what about addiction and memory) and a Café and Literature (How to read with your ears!!) have gathered a huge public.

Finally, in Brain and Society theme, Conferences (Functional imaging of the human brain: myths and painful truths Neuroculture as a societal imprint, The Social Brain) the Lab workshop (Mediation: behind the scenes in cognition research) and the brain and literature event (what about chronobiology) have attracted various public.

In each theme, the public had the choice between debates, conferences, discussions, or experimental manipulations. About 10000 people have met the 125 scientists in the different locations in Paris.

In addition, more than 100 classes in Paris have been visit by young doctorates to explain to kids and adolescents not only the “what and how” of the brain, but also to present their research, to educate the young generation to the scientific approach, which can help them to discriminate, e.g., between the true and fake news. About 3000 young pupils have heard about neuroscience in their own schools!!

All the events we proposed in Paris were totally free of charge for the general public.

Most of the activities were financially supported by the institutions (Research Centres, Universities, Museums from Universcience, City of Paris…) who organized them. In consequences, the conference rooms, the labs, the demonstrations, the experiments organized by these institutions were free of charge for the Parisian BAW committee.

However, some events were not free and it was the case of the Café and Literature event for which we have applied for a DANA financial support. This event took place in the Café des Editeurs, a high place for literary discussion, in the middle of the Editor Quartier in Paris, in the 6° arrondissement. It was organized around the recent publication of a book written by a member of the French neuroscientific community, Pr Laurent Cohen, and stirred by a scientific journalist Paul de Brem. The aim of this event was discuss about the book and to allow Laurent Cohen to interact directly with the public in a two-way dialogue.

This event took place on Tuesday March 13th, 2018. The Café des Editeurs is located at Odéon in the centre of the artistic city. It is a two floor café, and the second floor is dedicated to literature events. Literature and science, literature and music are often discussed her and we organize each year an event to let a neuroscientist present his / her publication.

Pr Cohen presented his book in front of about 70 people. The discussion was very intense, and after one hour, a cocktail was organised and allow the public to go on with the passionate discussion started during the first hour. It was difficult to stop the manifestation!!

Many of the attenders left the café asking for the next year theme of the event…

Many thanks for DANA to help us to organize this Culture/ Science event!!

Related Links

www.semaineducerveau.fr/paris/
https://www.facebook.com/Semaine-du-Cerveau-%C3%A0-Paris-309797552411169/

7. Events for the Brain Awareness Week 2018 in Tours: About memory and learning

Dates and Duration: The whole BAW Week (7 Days)

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During this Brain Awareness Week in Tours, we organized 3 plenary lectures and a meeting with an author in a bookshop dealing with different aspects of memory and learnings. In addition, we produced a short documentary about brain plasticity, we organized workshops for pupils at primary school and we presented an exhibition “A chacun son cerveau”.

All events were suitable to general public (except the workshop for pupils)

Public lecture : Memory and Learning
Memory ability is essential for every learning. Two conferences presented first that we can learned throughout the life, and second, the neuronal aspect of learning difficulties described in two neuropathologies, autism and intellectual deficiency.

The conferences were given by the Prof L. Taconnat (University of Tours –CNRS) who is a specialist of memory in human during aging and by the Dr F. Laumonnier (University of Tours – INSERM) a researcher specialist of neurogenetic aspects of autism and intellectual deficiency. The conference was followed by a general discussion with the public. Audience: about 200 persons (general public).

A third public lecture concerned the molecular aspects of neuronal communication failure in two pathologies, autism and intellectual deficiency, where patients present severe difficulties of learning. The conference focused on the discovery of new synaptic proteins induced in the neuronal communication and their links with the pathologies

This conference was given by the Dr D. Ung a young researcher in the “Brain and Imaging” unit of the University of Tours and INSERM. The conference will be followed by a general discussion with the public. Audience: 100 persons (general public).

Meeting with an author in a book shop:
A public discussion was organized in the bookshop “La Boite à Livres” in Tours. The discussion started by the presentation of a book entitled "Ma mémoire et les autres/My memory and the others” by the author, Prof F. Eustache (INSERM Caen). He presented the influence of our way of life, including a lot of connected object and apparatus, our involvement in social networks on our memory. He explained that neuroscience and medicine have to join philosophy, informatics, history… to understand the complexity of individual and collective memories and their interactions. Audience about 100 persons (general public).

Short documentary
We produced a short documentary ‘La plasticité cérébrale: de la compréhension à l’utilisation/Brain plasticity, from understanding to use’ which has been viewed by about 300 students in web cast from the web site Centre-Sciences (http://www.centre-sciences.org/ActionsScolaires/Accueil), the 15th of March

Exhibition:
An exhibition entitled: "Un cerveau dans toutes les têtes" has been exposed in the public library “Bibliothèque Centrale”, in Tours, from the 13 of March to the 6 of April. This exhibition, realized by neuroscientists of the laboratory INRA-Physiology of Reproduction and Behaviors-Nouzilly –Tours, presented 12 posters illustrating the main brain functions in animals, mainly sheep, but also various species. The number of visitors is estimated to 1000 persons (general public).

Workshops for pupils of primary schools
We organized 12 workshops (half days long) for young children (7-12 years old - primary schools and public) in the public library “Bibliothèque Centrale”, in Tours. Workshops will include modelling, memory game, microscope observation… Each workshop will be supervised by neuroscientist PhD students. We welcome 215 children.

8. Discovering the brain

Dates and Duration: The whole BAW Week (7 Days)

Contact:
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In 2018, the Brain Awareness week was extended on two weeks in Bordeaux and its region.

One of the originality of our program was the partnership with high schools, Cinema as well as “la maison du Cerveau” (Brain House), which is a regional association created in 2012 that federates and

brings together all the people concerned by brain diseases. The objective of their workshop was to prensent and simulate for the general public and high school students brain diseases, such as Parkinson's, Huntington, Alzheimer's, Stroke, Multiple Sclerosis and Epilepsy diseases.

The majority of activities were organized in the new building of Bordeaux Neurocampus "Centre Broca Nouvelle Aquitaine" and "Neurocentre Magendie", both are located in the University of Bordeaux. The general public and high school students came to these very famous centres to participate to the organized mini conferences, workshops and visits of research laboratories. Another aspect resides on the discussion of high school students with PhD students and Post-docs on their course and procedures.

Outside Bordeaux Neurocampus, we organized a conference for the general public at the media library Jacques Ellul in Pessac, with whom we have a partnership since 5 years. This year we organized a conference about "Dystonia", which is a brain pathology affecting children and adults, in order to understand its origin, its pathophysiology and different medical and surgery treatments. This conference was animated by a neurologist and a researcher experts in the field. The conference was followed by a very rich debate with the public.

In addition, we organized the projection of a movie "La finale" in collaboration with Merignac-Cine, with who we have a partnership since 6 years now. The topic of the Movie was about "Alzheimer disease". After the projection, we organized a debate animated by a two researchers experts in the field.

This year, as the other previous years, the Brain Awareness Week was a great success. It gathered more than 700 people including one third of the general public and two thirds of high school students coming from Bordeaux and other regional cities.

This event was organized under the national coordination the French Society of Neuroscience and in partnership with :

- Bordeaux Neurocampus Federation
- The Institut National de la santé et de la recherche médicales (Inserm),
- The Centre National de la Recherche Scientifque (CNRS),
- The University of Bordeaux,
- La maison du Cerveau

Related Links

https://bfs.u-bordeaux.fr/telecharge.php?choix=files/15fdec25b556cf7135d36490559b5421/Photos_Select_Bordeaux.zip

https://bfs.u-bordeaux.fr/telecharge.php?choix=files/28758c209b13562d003fe3ba85b1d898/Video_Laurent_Groc.MOV

https://www.semaineducerveau.fr/2018/Villes/villes.php?ville=14

9. Brain of the Future

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
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CNRS - Institute of Molecular and Cellular Pharmacology, Université Côte d'Azur - UCA

"Brain of the Future" was the theme of this year's BAW on the French Riviera, in the south of France. From March 9th to 19th 2018, neuroscientists from the local University Côte d'Azur (UCA), and from around France (University Paris VI - Pierre et Marie Curie, Aix-Marseille University, Toulouse University, University of Burgundy…) and University Laval at Quebec in Canada gave lectures to lay public and schools on Artificial intelligence, Brain computer interface, Brain machine interface, Artificial neurons, Brain in microgravity, new advances theater play written by high-school children about the research and careers of two in Brain surgeries… etc. Near 6000 people, including 1500 school children, were reached in more than 60 events, such as open talks, science & movies, science & art, science & theater plays, science workshops (brain & memory, brain anatomy, brain & pain, brain & taste, brain & smell…) that took place in 15 cities around the Riviera (large cities of Nice, Cannes, Antibes, and small cities like Biot, Mouans-Sartoux etc..). Of note, a researchers that they interviewed in class; a day at the Hospital with a neurosurgery presented to the public; videos on YouTube... and many more events. Art schools (Centre National de Création Musicale) were also in the program with neuroscientists to show how the brain perceives music and art. The BAW on the Riviera was relayed in the media (TV interview in the local news, press release, radio interviews and on the internet, Twitter, Instagram…). Our aim is to give the opportunity for renowned scientists and young PhD students to sensitize lay public and school children to career in neuroscience and recent discoveries on the brain.

Link to the BAW on the French Riviera on YouTube (11 videos)

https://www.youtube.com/channel/UCdbVVegw_mV3Q21UG82-6LQ/videos?view=0&shelf_id=1&sort=dd

Instagram (many pictures and reports on the events)

https://www.instagram.com/semaineducerveau_ca/?hl=fr

Full online program

https://www.semaineducerveau.fr/coteazur/

http://univ-cotedazur.fr/events/sdc2018/fr

Related Links

https://www.youtube.com/channel/UCdbVVegw_mV3Q21UG82-6LQ/videos?view=0&shelf_id=1&sort=dd

http://univ-cotedazur.fr/events/sdc2018/fr

https://www.semaineducerveau.fr/coteazur/

10. Brain and Society : the world is changing… and our brain?

Dates and Duration: 09/03/2018 to 22/03/2018

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Co-organiser:
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Institut de Neurobiologie de la Méditerranée, Inserm/Aix-Marseille University

This year, in Marseilles, we had the privilege of organizing on Monday the 12th, for the first time, the national inaugural Brain Week conference, celebrating the 20 years of the BAW. This lecture was given by Lydia Kerkerian-Le Goff, President of the French Neuroscience Society. She talked about "The remarkable adaptability potential of our brain". The conference took place at the Faculty of Medicine. As expected, we had about 600 people. For the rest of the event, we had an outstanding public participation in the conferences in Marseilles and also in the different towns around Marseilles, with more than 3700 participants out of 24 events.

The high participation was probably due to this year's theme « Brain and Society: the world is changing…and our brain? » but also by the fact that over the years we have built loyalty among audience that wants to know and better understand our brain. We are now concerned about the size of the rooms, especially the conference room in Marseilles Library's Alcazar as for 4 conferences out of 5 there we had more than 300 people, the maximal capacity of the room.

The conferences in towns around Marseilles were also very appreciated and were attended by more than 100 people in each town (200 people in one event in Aix-en-Provence). The two conferences about Parkinson and Alzheimer's diseases were followed by a very interesting discussion as these diseases concern everybody. The speakers we invited were very animated and talked to the general public (sometimes patients themselves) about their research in simple terms to the general public. The fact that we ask speakers not to use too many scientific terms contributes to the success of our conferences over the years.

In addition, we organized small interactive discussions ("causeries") at lunch time in the main libraries of the Science University in Marseilles. Like last year, we also exhibited some scientific pictures taken by neuroscientists from the committee.

Finally, more and more schools in Marseilles and the area were interested by our discussions around our pedagogic supports, created by neuro-PhD students. This year we decided to have two different topics according to the student's levels: "The brain of our pets" (elementary schools) and "Is there a difference between the brain of males and females?" (high schools). Until now, more than 70 classes have benefited of these discussions, and they will continue for a few weeks.

Here is a summary of the events:

* Public national inaugural lecture in Marseilles : 600 people attending
- The remarkable adaptability potential of our brain. By L. Kerkerian-Le Goff

* Public introductive lecture in Gardanne : 60 people attending
- Our brain today : challenges of the digital revolution. By O. Bosler

* Public lectures in Marseilles at the Alcazar Library:
- Nature, nurture : an old debate rekindled. By F. Feron (365 people attending)
- I communicate, therefore I am. By J. Bockaert (350 people attending)
- How stereotypes prevent our brain from working. By I. Regner (300 people attending)
- Brain in Love. By P. Luccarini (350 people attending)

* Sciences Café (70 people attending)
- Brain-Computer interfaces : from theory to application. By J. Mattout and E. Maby

* Debate in Marseilles (300 people attending)
- Neuroeducation. By JL. Velay, L. Donnat

* Public lecture in Marseilles organized by undergraduate students: (350 people attending)
- Brain, coma and consciousness. By J. Vion-Dury and L. Sanz.

* Public lectures and debates outside Marseilles:
- Aix-en-Provence: Can we explain and cure the Post-traumatic stress ? By S. Khalfa, F. Derynck and JM. Steve. (200 people attending)
- Aix-en-Provence : Brain: desire, pleasure and love. By S. Thirion (100 people attending)
- Martigues : Alzheimer's disease. By A. Marcilhac (100 people attending)
- Gémenos : Parkinson's disease. The point of view of researchers. By C. Hammond (150 people attending)
- Berre-l'Etang: The paths of memory. By C. Rodo (80 people attending)

- Sainte-Tulle: Breathe, eat or drink: is it that simple for our brain?. By C. Gestreau (40 people attending)
- Arles: Hypnosis, a tall tale. By A. Rey and A. Parra (people attending)
- Avignon: Learning disorders. By M. Dumesny and E. Cavalli (people attending)
- Gap: Restore vision to patients blinded: science fiction or reality? By S. Picaud (120 people attending)

Related Links
https://www.dropbox.com/sh/cz7rkx4rncoq8ui/AAAzCBfWRLSP8-ctFvEvcJ8Sa?dl=0
https://www.semaineducerveau.fr/2018/Villes/villes.php?ville=17
https://www.facebook.com/SdCMarseille/
https://www.echosciences-paca.fr/dossiers/semaine-du-cerveau-a-marseille


11. Brain Awareness Week Berlin

Dates and Duration: 12/03/2018-17/03/2018

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Co-organiser:
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Einstein Center for Neurosciences Berlin, Charité Universitätsmedizin Berlin

Further organizing departments:
Centrum für Schlaganfallforschung Berlin (CSB)
Exzellenzcluster NeuroCure

Our program of the Brain Awareness Week (BAW) 2018 was designed to address various target groups from pupils grade 10 to academia. With an introductory lecture on perceptual illusions that was held for high school students, Prof. Dr. Gabriel Curio started the BAW at the Humboldt-

Universität zu Berlin. Afterwards, students were able to choose between seven different workshops on topics ranging from “Introduction into synapses with lab visit” to “fMRI – how does it work, what can we do with it”, “New methods of multiple sclerosis diagnoses”. Some teachers come every year with their pupils to our pupil’s day (55 participants).

In the evening we organized a book presentation at the Buchhändlerkeller in Charlottenburg. The book is a popular science introduction into brain function and disfunction and was presented by the authors Prof. Dr. Ulrich Dirnagl and Dr. Jochen Müller. The authors were happy to answer the audience’s questions after the presentation (65 participants).

On Tuesday evening we organized a screening of the movie “Run and Jump” by Steph Green (German version). It is a story about a family father who had a stroke in his mid-forties and the implication for the family’s life and the relationship with his wife. It is interesting, sad, emotional but also funny to see how the wife and the kids cope with their new version of dad and husband. Dr. Benjamin Hotter answered questions after the movie (40 participants).

On Thursday our partner “Berlin School of Mind and Brain” organized a public keynote lecture in German language “Bewusstsein erklären: Wie geht das?" “Explaining consciousness: how is that possible?” by Prof. Dr. Wolfgang Prinz (Leipzig), (> 100 participants).

A museum tour in the “Medizinhistorisches Museum” of the Charité Universitätsmedizin Berlin was offered on Friday for the general public. The guide focused on brain exhibits, especially on brain damages (16 participants).

On Friday, the 6th Mind Brain and Body Symposium” organized by Prof. Dr. Arno Villringer and Dr. Anahit Babayan took place at the Humboldt-Universität zu Berlin. This is a scientific event mostly for junior scientists. It is organized each year during the Brain Awareness Week in Berlin by the Berlin School of Mind and Brain (one-day event, 100 participants).

During the whole week, the photo exhibition “The Beautiful Mind” was displayed at the Servicepunkt Schlaganfall at the Charité Universitätsmedizin Berlin. It showed 20 large-size illuminated photos of neurons that were taken in several labs all over the world. We estimate 100 visitors.

The 8th Annual Deutsche Neurowissenschaften Olympiade, Regionals (regional neuroscienctific olympiade) took place on Saturday at the Max-Delbrück Centrum. This is a 5 stage academic competition for pupils grade 12 or 13. They have a full day of written exams, presentations and workshops with topics as Neuroanatomy, patient diagnosis. The winners will participate in the final national competition in May. The winner of the national competition has the opportunity to represent Germany at the International Brain Bee competition (45 participants).

Our program was announced on TV screens at all the Berlin university cafeterias and in the underground TV system with more than 30 spots/day. We have a special website for the BAW events in Berlin (www.baw-berlin.de). All our partner organizations promoted the BAW events on their own websites, on Facebook and on Twitter. Mathematics and biology teachers were contacted directly to inform about the special events for pupils.

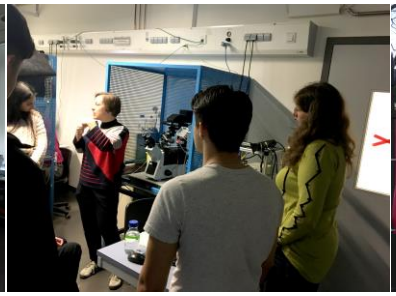
We are very grateful to our master and doctoral students as well as our technical staff, and our faculty members, who made this program possible.

We would like to thank FENS for their generous support. The grant made it possible to organize a very diverse program and advertise it broadly with spots and flyers.

Related Links

www.baw-berlin.de

https://www.facebook.com/pg/bccnberlin/photos/?ref=page_internal



12. Our brain

Dates and Duration: The whole BAW Week (7 Days)

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Pharamcology, Medical School, National Kapodistrian University of Athens

Several events took place in different cities in Greece. Organizers of these events, besides Dr. Sidiropoulou and Dr. Dalla, include Dr. Efthymiopoulos and Dr. Margarity.

Activities that took place during the brain awareness week

1) Athens
2) Nafpaktos
3) Patras
4) Heraklio

In Athens, presentation of the Greek translation of the book “The Biology of Homosexuality” written for the general public, took place atHub Athens, on February 22nd . The book was presented by the President of HSfN, Dr. Christina Dalla and the author Prof. J. Balthazart. The event was very well attended with around 200 people of general public, students and senior HSfN members. There was

also a long discussion on sexual differentiation of the brain and sex differences in neuroanatomy, neurobiology and behaviour.

Plenty of HSfN members participated in a public event, "Exploring the Brain" (www.exploringthebrain.gr), at the Niarchos Cultural Foundation in Athens that included talks for the public on neuroscience and neuroanatomy teaching, stress, learning/memory, cannabis use, psychiatric and neurological disorders, as well as pharmacotherapies. The event also included an exhibition with kids activities on the brain (colouring, construction and a brain hat), microscope and video exhibitions of behavioural tasks in animals, as well as a session of computational neuroscience. Finally, a Neurodrome was installed with a movie on brain functions. The event was highly successful with hundreds of people attending and participating. All the talks were made available live on Facebook.

In the city of Nafpaktos, the event named "Motherhood, fatherhood and family" was organised. HSfN members who participated included Dr. Spyros Efthimiopoulos and Dr. Fotini Stylianopoulou. Representatives from the Greek orthodox church and high school students also participated.

In the city of Patras, Dr. Marigoula Margarity, once again, organised several events, during which students from several primary schools and high schools had the opportunity to visit the laboratory of Human and Animal Physiology at the University of Patras. These events was organised by Dr. M. Margarity (Associate Professor of Human and Animal Physiology at the Department of Biology at University of Patras) and included a "power point" presentation on the basics of how our brain works and observation of brain sections at the microscope. In addition, students gave oral presentations and performed theatrical and musical acts on various subjects concerning the human brain. The specified themes has been chosen by students in collaboration with Dr. Marigoula Margarity . The representatives of the 1st and 2nd Grade Education, many University Professors and School Directors, teachers, parents etc. attended the event. This activity was also part of program of the University of Patras "The Schools go to the University". Forty-five volunteer students of the department of Biology of the University of Patras supported the activity and built a number of constructions (wood, paper, plasticine, cookies) related to the nervous system. This event received significant coverage in the media.

In Heraklio (Crete), one event was held at the Museum of Natural History of Crete and included a presentation by two HSfN members: Prof. Kyriaki Sidiropoulou from the University of Crete and Dr. Vasiliki Nikoletopoulou, from the Institute of Molecular Biology and Biotechnology- Foundation for Research and Technology Hellas. In addition, a role-playing activity was held for younger kids (ages 4-9) while a laboratory exercise took place for older kids (above the age of 10). Undergraduate students, graduate students and post-docs from the laboratories of Dr. Sidiropulou and Nikoletopoulou helped out with the event. About 100 people attended the event.

A second event in Heraklio, entitled "Addiction and our Brain" was held at the University of Crete and included several oral presentations, including two by HSfN members, Dr. Kyriaki Sidiropoulou and Dr. George Panagis, as well as singing and dancing performances by high school students. About 100 people attended the event.

A couple more events are scheduled in late April and early May, in Thessaloniki and in Athens. Scheduling difficulties did not allow the events to take place in March. In Athens, an activity will take

place the school of second chance, in the Korydallos prison. In Thessaloniki, a presentation of a book that features Greek women neuroscientists will take place.

Related Links

https://www.hsfn.gr/brain-awareness-week-2018/

https://www.facebook.com/UniversityOfCrete/posts/1790210571031578;

https://www.facebook.com/patris.gr/posts/2072679859412930;

https://www.facebook.com/christina.dalla.1/posts/10155541497550852;

https://www.facebook.com/Exploringthebrain/?hc_ref=ARQ5BEhOceizKJ2mqT9a914t8nPDJaOUHDJoHrxWDFOsJWWZYUWt6x4NKk2xOgYftWU

https://www.sidiropouloulab.com/outside-the-lab

Media/Internet coverage of the Patras events

http://anastasiosk.blogspot.gr/2018/03/blog-post_934.html

https://www.facebook.com/pages/%CE%93%CE%9F%CE%A5%CE%9C%CE%95%CE%A1%CE%9F-%CE%97%CE%9B%CE%95%CE%99%CE%91%CE%A3/142785792572548

http://eeeek.ilei.sch.gr/

http://eeeek.ilei.sch.gr/?m=201801

http://www.confer.upatras.gr/eventsen.php

http://tempo24.news/eidisi/170534/patra-ta-sholeia-pigainoyn-panepistimio-imerida-gia-ton-egkefalo

https://www.upatras.gr/el/node/7502

http://www.thebest.gr/news/index/viewStory/479703



13. Brain Awarness Days in Budapest: Learning and memory

Dates and Duration: 12 and 13 of March 2018

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Other Organisers:
- Dr. László Balázs; Institute of Cognitive Neuroscience; Research Centre for Natural Sciences of the Hungarian Academy of Sciences
- Dr. Gertrúd Tamás;Dept. of Neurology and Psychiatry of Semmelweis University
- Ms Ágnes Volein; Cognitive Development Center; Central European University

The 2018 events were organized in the Hall of the South Building of Eötvös Lorand University.

The program contained four main packages:

1. „The brain in pictures and models" exhibition and handcraft centres. Posters decorating the routes to all program sites demonstrated the macro- and microscopic structure of the brain and various methods of brain research. The handcraft desks offered brain models, tools to produce neuron and brain models from various material and create molecule-models from lego parts

2. The „Psycho-physiological Playground" consisted separate venues for studying

i) animal behaviour in the basement of the Hall;

ii) human perception, motor and cognitive coordination in the corridor around the basement Hall

Visitors "played" at 26 work-benches, each supervised by scientists and supplied with explanatory posters. The experiments on mice and rats included observations of animal behaviour in open-field tests, Skinner-boxes, labyrinths and social interaction boxes. Self-tests of human reactions could be studied in human brain-computer interface experiments, audiometry, as well as in optical and audio illusions.

3. Scientific lectures and discussions

in the Lecture Hall: Learning and Memory – 45 min scientific lectures
- Formation, storage and recalling of memory traces – Dr. László Acsády (IEM-HAS);
- Ethological, ecological and evolutional consequences of animal learning – Dr. József Topál (RCNS-HAS)
- Mechanisms of children learning -Prof. Gergely Csibra (CDC CEU)
- Social and cultural significance of human learning – Prof. Márta Fülöp (Faculty of Psychology and Pedagogy; Eötvös Lorand Univ.)

in the Seminar Corner: Animal Learning – video presentations and discussions
- Neurophysiological questions of space travels – Dr. Diana Balázsfy (IEM-HAS)
- Psychological questions of space travels – Dr. Bea Ehmann (RCNS-HAS)
- How can learn the laboratory mice and rats? – Dr. Kornél Demeter (IEM-HAS)
- Do fishes learn? – Zoltán Varga (IEM-HAS)
- Piglets included in studies on learning – Dr. Attila Andics (Ethology Dept. of Eötvös L. Univ.)

4. “History of brain research” tour in the Biology Museum of Eötvös Lorand Univ. (lead by Dr. Géza Zboray)

Visitors got a sheet with the list of “play-stations” and received a confirmatory stamp at each station where they played. Visitors with more than 50% of stamps were awarded with small presents including pens, rulers, cardholders - all decorated with Brain Awareness logo. The role of FENS and DANA Alliance was made clear for all participants.

All together, the event was a real success. During the one-and-a-half-day event more than 800 visitors, from 6-year olds to pensioners, played with us. The national broadcast station (Kossuth Radio) and the University TV presented the event for the wide public.

Related Links
www.koki.hu

14. Opening a window on the brain - Neuroscience in the public space

Dates and Duration: 17/03/2018

Contact:
Dr. Emil Toescu
Institute of Transdiciplinary Discoveries
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Szentagothai Research Centre Ifjúság útja 20
Pecs , Hungary
Email: ect.working@gmail.com

We have organized the most colorful and versatile programme series ever assembled in Hungary under the umbrella of Brain Awareness Week. The programs between 12-17 of March covered a wide range of public engagement activities targeting a large segment of the society, from children through student to senior citizens. The complete program can be found at http://itd.pte.hu/events/brain_awareness_week

Despite of the long weekend in Hungary (15th March was a national holiday), and inclement weather, our full-day event on 17th March (Saturday) brought in well over one hundred spectators. Weeks before the event we announced and promoted a drawing competition on the theme of Brain for children in two age categories: 6-10 and 11-18. In the end, 75 works were submitted, and all were displayed at an Art Gallery in the city centre (Nador Gallery). The works were judged by one of the professors of the Arts department of University of Pecs. For both age categories, we gave 3 prizes and an Audience Award (resulting from the anonymous votes on the day, from the visitors). The first prizes and the Audience Award were printed by the newly established 3D center of the Medical School of University of Pecs.

Various demonstrations took place that actively involved the audience. First, using slow motion photography, Dr. Szentpeteri (Institute of Transdisciplinary Discoveries) demonstrated the relative slow speed of our visual system, unable to record and distinguish fast events (the demonstration used droplets falling into colored liquid). Both children and adults were involved the demonstration, and all participants received the images they took with the high-speed camera.

With the help of Dr. Miko-Barath (Inst of Physiology), we have organized an EEG demonstration, during which interested people could record and see the electrical activity of their brains, displayed on a large screen. We took the opportunity to explain how this activity is created and talk about the various brain waves and their functions. Dr Miko-Barath and colleagues also tested a 3D vision system that uses a newly developed software platform (developed by Dr Gabor Jando (Inst. Physiology).

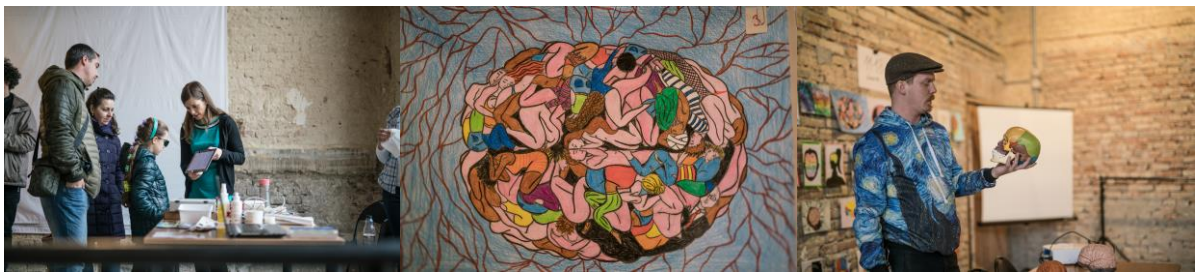
Students of the Arts Faculty encouraged attendees to paint and create 3D clay objects on the Brain topic. As expected, children were the most active contributors (artists) in the audience. Microscopy images were projected on the wall in order to ignite their imagination. The Institute of Anatomy provided plastic human brains and skulls that can be taken apart, so that the basic structure of the human brain can be explored. Posters showing colorful and instructive microscopy images of brain tissues were displayed all over the venue and interested parties were encouraged to explore and guess about structures and meaning of the various images, engendering interesting discussions.

Our taste buds were treated with chocolate during the talk and tasting by Gyongyver Peceli (an external speaker) who explained the positive effect of chocolate on our brain activity. Another external speaker (Jozsef Varga) provided demonstration of origami to illustrate how hands-eye coordination and creativity is able to create beautiful objects from a single sheet of paper.

The event was well advertised in advance on social media, and the local radio, and the success of this marketing activity was reflected in the wide spread of the catchment area of interest (some people travelled 50km to came and join, with their families, the day event!). Several TV (local and national) and radio reports were taken before and during the event generating a nationwide buzz of the DANA/FENS-sponsored Brain Awareness Week events in Pecs. An example of this is the short youtube film prepared: https://www.youtube.com/watch?v=fTSVvFNV5Ls&feature=youtu.be

One crucially important element of this series of events, facilitated very much by your generous financial and logistics support, was that we could invite to contribute and participate various academics for the other Faculties in the University of Pecs, including people from the Faculty of Humanities, Faculty of Arts, as well as contributors from the various institutes of the Medical School. All this illustrated well that together we can create high quality and unique events that the general public appreciates.

Related Links
https://www.dropbox.com/home/BAW%202018%20Report%2C%20Pictures
https://www.youtube.com/watch?v=fTSVvFNV5Ls&feature=youtu.be



15. My Amazing Brain Exhibit 2018

Dates and Duration: March 12th and 13th, 2018

Contact:
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Galway Neuroscience Centre run event for Brain Awareness Week 2018

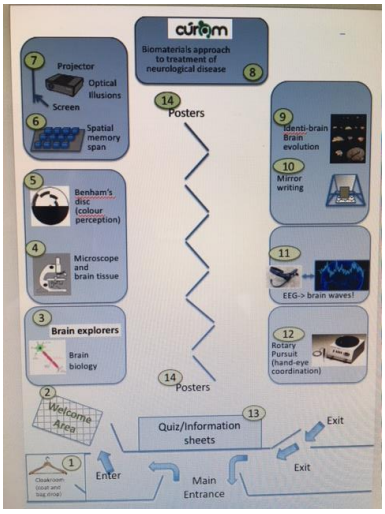
As part of the international Brain Awareness Week, staff and students of NUI Galway's Neuroscience Centre held a public information exhibit 'My Amazing Brain' on Monday 12th and Tuesday 13th March in the Aula Maxima, NUI Galway.

Over 450 transition year school children (approx 14 - 15 years old) from local schools visited the exhibit to learn more about how the brain and nervous system work. Approximately 50 school children explored the exhibit every hour during the event, which consisted of interactive displays where they learned about the brain in a hands-on way. There were stations exploring how neurones work, brain cell histology using microscopy, colour perception, optical illusions, spatial memory, brain evolution, mirror writing, brain waves using EEG and hand-eye coordination using our newly purchased rotary pursuit (please see photo of our lovely rotary pursuit equipment attached).

There was also lots of general information and a quiz for the students to complete about the brain and brain disorders. On display was a series of large information posters prepared by the staff and

postgraduate students of NUI Galway Neuroscience Centre. The posters cover a variety of illnesses including: Epilepsy, Parkinson's disease, Pain, Anxiety, Depression, Schizophrenia, Autism, Alzheimer's disease, Stroke, Brain injury and Spinal cord injury.

Please see layout of the venue with full list of stations in the attached document (My Amazing Brain exhibition layout NUI Galway 2018). Also attached are a couple of photos of some of the attendees enjoying the exhibit (apologies, I am not a great photographer)!



16. Technology and Neuroscience: From Homo Sapiens to Homo Tecnologicus

Dates and Duration: 12,13,14,15,16,17/03/2017

Contact:
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Co-organiser:
Prof. Alessandro Vercelli
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Neuroscience Dept., Università di Torino

NICO- Neuroscience Institut Cavalieri Ottolenghi

The integration of neuroscience and technology is boosting the human skills and capabilities, and is revolutionizing the field of neuroscience and medicine. On the one hand, it allows to improve our knowledge on the brain, and on the other it allows our brain to acquire new capabilities. Will it end in a new species of the Homo genus, or is it evolving too fast? Anyway it is a path not without

dangers for our psychophysical balance, starting from the possible distortions in the way we perceive the world around us, and not without unfavorable consequences in human relations.

These themes of great technological fascination and socio-cultural depth have been investigated by experts and researchers of different disciplines in a series of meetings in which the interaction with the public was favored with the possibility of testing devices such as the oculus viewers for virtual reality, augmented reality electric stimulation.

The Themes
Monday March 12, 2018 | 6.00 pm
Sala Grande, Circolo dei Lettori
Alberto Diaspro, Istituto Italiano di Tecnologia e Università di Genova.

SEE THE CELLS: NEW FRONTIERS OF NANOSCOPY

Limitless! Optical microscopy has skipped every limit of spatial and temporal detail without violating the laws of physics. Today, cellular architecture and function can be studied by navigating between tissues, organs, cells and biomolecules by tuning the modern optical microscope from the micro to the nanoscale, without limits. We will move between tools, methods and applications with the idea of developing new "label free" solutions, without means of contrast.

Tuesday March 13, 2018 | 6.00 pm
Sala Gioco, Circolo dei Lettori
Marina Boido Dipartimento di Neuroscienze, Neuroscience Institute Cavalieri Ottolenghi, Università di Torino.
Enzo Terreno, Dipartimento di Biotecnologie Molecolari e Scienze per la Salute, Università di Torino.

NANOTECHNOLOGIES FOR NEUROSCIENCES

A short journey among nanotechnologies and their applications in the field of neuroscience. Close collaboration between chemists, engineers, neuroscientists, molecular and cell biologists has allowed us to design increasingly sophisticated nanometric materials and devices that in the near future could facilitate the diagnosis, monitoring and treatment of neurological and psychiatric diseases. Will the nano-neuro-sciences really help us to get to know the brain better and repair it if damaged?

Wednesday, March 14, 2018 | 6.00 pm
Sala Grande, Circolo dei Lettori
Andrea Calvo, Department of Neurosciences "Rita Levi Montalcini", University of Turin

SMALL AND WEARABLE: MEDICAL DEVICES AND NEUROSCIENCE

Improvement in new technologies is changing the management of diseases, particularly in the neurological field. Devices such as sensors, smartphones, glasses, etc., can collect data on the physical and cognitive status of healthy subjects or with some pathology. These technologies facilitate access and control of distant patients, improving their quality of life and clinical care. Moreover, these devices are increasingly playing a diagnostic role, but above all therapeutic.

Friday, March 16, 2018 | 6.00 pm
Sala Giochi – Circolo dei Lettori
Raffaella Ricci, Department of Psychology, University of Turin.

BRAIN PERFORMANCES AND TRANSCRANIAL STIMULATION

Can the performance of the brain be modulated? Magnetic transcranial stimulation (Transcranial Magnetic Stimulation or TMS) or electrical stimulation (transcranial Electrical Stimulation or tES) can improve or restore brain functions and beyond. In addition to being used for the treatment of neurological and psychiatric diseases, according to some, it could improve attention, memory and other cognitive functions.

Saturday, March 17, 2018 | 6.00 pm
Alessandro Vercelli, Department of Neuroscience, University of Turin.
Director of the Neuroscience Institute Cavalieri Ottolenghi

THE ROBOT: USEFUL, EMPATHIC, FRIENDLY

Robots are changing the labor market and will be able to replace us in repetitive and exhausting jobs. Artificial intelligence is supporting their evolution in recognition of faces, emotions and coherent interaction with people. Prosthetic devices are essential in replacing missing or non-functioning body parts. Through brain-machine interfaces the control of their functioning is integrated and naturally fluid.

The 2018 Brain Week in Turin is promoted by CentroScienza Onlus, with the support of the Compagnia di San Paolo, in collaboration with the Piedmont Region, Interdepartmental Center of Neurosciences - NIT of the University of Turin, National Institute of Neurosciences INN, Neuroscience Institute Cavalieri Ottolenghi - NICO, Circolo dei Lettori.

Related Links
http://www.centroscienza.it/settimana_cervello18/
www.circololettori.it/settimana-del-cervello-2018/
9 marzo 2018 - TorinoSette - La Stampa
Le nuove frontiere delle Neuroscienze
Dal 12 al 17 marzo torna la Settimana del Cervello.
9 marzo 2018 - TorinoToday.it
Settimana del Cervello 2018 a Torino
9 marzo 2018 - TorinOggi.it
La Settimana del Cervello al Circolo dei Lettori
Tecnologie e neuroscienze dal 12 al 17 marzo
16/3
http://torino.repubblica.it/cronaca/2018/03/16/news/appuntamenti-191417350/
14/2
http://torino.repubblica.it/cronaca/2018/03/14/news/trio_montrose_al_conservatorio_piemonte_-afrique_all_osteria_rabezzana-191264550/
13/3 + cartaceo
http://torino.repubblica.it/cronaca/2018/03/13/news/appuntamenti-191132295/
https://rbe.it/2018/03/13/settimana-del-cervello/
http://www.piemontegiovani.it/web/news/settimana-del-cervello-2018-al-circolo-dei-lettori

http://www.torinoggi.it/2018/03/09/leggi-notizia/argomenti/eventi-11/articolo/la-settimana-del-cervello-al-circolo-dei-lettori.html

http://www.torinoscienza.it/notizie/settimana-del-cervello-2018

https://www.unito.it/eventi/settimana-del-cervello-2018-tecnologie-e-neuroscienze-dallhomo-sapiens-allhomo-technologicus

http://www.lastampa.it/2018/03/12/torinosette/news/appuntamenti/le-nuove-frontiere-delle-neuroscienze-L3aJdMxce9iAhV9tvwKdhL/premium.html

http://www.torinotoday.it/eventi/settimana-cervello-2018-torino.html

http://www.mentelocale.it/torino/eventi/75199-settimana-cervello-circolo-lettori-torino.htm

http://www.ilnazionale.it/2018/03/09/leggi-notizia/argomenti/eventi-e-turismo/articolo/la-settimana-del-cervello-al-circolo-dei-lettori-1.html

http://www.diocesi.torino.it/site/wd-appuntamenti/settimana-del-cervello-2018-appuntamenti-dallhomo-sapiens-allhomo-technologicus-al-circolo-dei-lettori-6/




17. Neuroscience bus; Brain awareness on the city bus

Dates and Duration: 17/03/2018

Contact:

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This fascinating new project aimed to integrate neuroscience and brain awareness into the general community by presenting and displaying popular neuroscience within the city's public spaces. On the 6th day of BAW in Krakow (17.03.2018), the 'Neuroscience Bus', was circling for 8 hours (from 9 a.m. to 5 p.m.) around the limits of the medieval and beautiful Krakow's old town. The selection of activities on board included popular neuroscience lectures, scientific workshops, neuroscience promoting posters, interactive presentations, and scientific riddles/quizzes. The activities on board engaged the crowds as they worked their way through Krakow, this international UNESCO world heritage city, offering brief encounters with neuroscience, and providing a chance of interaction between Krakow residents, tourists and neuroscientists.

The Neuroscience Bus, operating under the patronage of DANA/FENS, Institute of Pharmacology Polish Academy of Sciences and Polish Neuroscience Society has created an opportunity to interact with famous local neuroscientists and young PhD students, ask questions, and get immediate answers. These encounters left behind a better understanding of what modern neuroscience deals with and increased public awareness of the progress and benefits of brain research.

We estimate that during the 8 hours of bus operation we have reached several hundreds of people across the entire age spectrum. There was also an added value to our project, which was the engagement of young neuroscientists (PhD students) into popularisation of neuroscience. All activities on board of the 'Neuroscience Bus' were held 'pro bono' by neuroscientists and PhD students associated with the Institute of Pharmacology Polish Academy of Sciences in Krakow.

We will be delighted to repeat this action in 2019.

The timetable of our Neuroscience Bus:
09:00 – 09:30: Neuro warm-up with Neurogame (Karolina Noworyta-Sokołowska)
09:30-10:00: Brain crossfit (Justyna Kuśmierczyk and Katarzyna Chorązka)
10:00-10:30: Neuropeptides and depression (Agata Faron-Górecka)
10:30-11:00: Why do we need mirror neurons (Agnieszka Zelek-Molik)
11:00-11:30: Aesthetic neurobiology (Anna Kozub)
11:30-12:00: Animal toxins in human service (Jan Detka)
12:00-12:30: Crazy mind (Paulina Cieślik)
12:30-13:00: Brain assault (Anna Solarz)
13:00-13:30: Molecule of the soul (Joanna Wierońska)
13:30-14:00: Two faces of pain (Klaudia Kwiatkowski)
14:00-14:30: What seahorse does in your brain? (Urszula Skupio)
14:30-15:00: Alcohol- prosthesis for many (Sabina Brygider and Magdalena Zaniewska)
15:00-15:30: Parkinson's disease - when dopaminergic neurons die (Anna Radlicka)
How to improve your memory? (Karolina Podkowa)
15:30-16:00: How marijuana works (Jakub Mlost)
Psychoactive plants of the world (Natalia Kłeczek)
16:00-16:30: Depression through the scientist's eye (Bernadeta Szewczyk)
16:30-17:00: Optimistic ending (Rafał Ryguła)

Apart from DANA/FENS grant, our action has been supported by the Institute of Pharmacology Polish Academy of Sciences, Polish Neuroscience Society, Neurogra, Biokom and Fundacja mózg. We are really grateful for all the support.

Related Links
http://www.krakow.tvp.pl/36433026/swiatowy-tydzien-mozgu-wyklady-i-quizy-w-autobusie
http://if-pan.krakow.pl/pl/wydarzenia-i-aktualnosci/aktualnosci/Autobus-neurobiologiczny-17-marca-2018/207/
https://www.facebook.com/events/1289213677846117/?active_tab=discussion
http://if-pan.krakow.pl/pl/wydarzenia-i-aktualnosci/aktualnosci/Autobus-neurobiologiczny/211/



18. Neuro-Adventures

Dates and Duration: 01/03/2018-31/03/2018

Contact:
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The Brain Awareness Week (BAW) 2018 organized by CNC.IBILI of University of Coimbra happened in Coimbra during March (1st-31st March 2018). In 2018, CNC.IBILI neuroscientists challenged the citizens for several Neuro-Adventures during BAW. Our proposal aimed to engage society in scientific research, to increase the scientific literacy about neuroscience and to involve a big number of researchers in Science Communication. The project promoted several initiatives for different publics.

1. Neuro-adventures at the schools

Neuroscientists went to Elementary, Middle and High Schools, Senior Universities and Associations to deliver neuroscience information in different formats: hands-on activities, games, formal lectures, and experiments.

2. Neuro-adventures at the lab

During BAW researchers from CNC.IBILI opened the doors of their laboratories and received visits from different publics that can explore different themes in neuroscience as: Can we enhance our brain?; Eye as a window for brain; Study of human behavior; How do we have energy to the brain?;How neurons die in Alzheimer´s disease?;Neurons, obesity and aging; Brain development.

3. Neuro-adventures at the pub

During BAW we promoted the 6th edition of PubhD Coimbra and 3 PhD students share their projects with the audience in a very popular pub in Coimbra. The students are from different areas: neuroscience, psychology and astrophysics. The central theme was the brain.

4. MicroScience Photo Gallery

We launched the exhibition "The beauty of our cells" with more than 70 microscopy images obtained during research projects at CNC and IBILI. The exhibition resulted from a partnership between CNC.IBILI and Coimbra´s science center Exploratório and will be available for visits during 2 months (March-June, 2018). After this period, the exhibition will be exposed in science and cultural centers different Portuguese cities.

5. Selfie Science

In order to create meeting places between science and society, we developed audio- visual contents about neuroscience research and brain facts. We developed five small movies, "Selfie Science", where different neuroscientists explained in an informal way their research projects. The videos were shared at CNC youtube channel and social networks (facebook and twitter).

6. Brain Comics

During BAW we produced the comic strip "Voyages without insomnia" about sleep to celebrate World Sleep Day (16th March) in a national newspaper - Público. Público is one of the most prestigious daily newspaper in Portugal. The comics explored the importance of sleep for brain function and the research that have been made in this field.

7. Public events

a. Is sleep a waste of time?

16th March, Exploratório

Informal session for children from elementary school about the importance of sleep. The event occurred at Hemisferium, with the exhibition of a small video, and counted with the participation of one medical doctor and one neuroscientist. This event is part of our collaboration with Portuguese Sleep Association for World Sleep Day.

b. Brain and Dementia

18th March, FNAC Coimbra

Session for general audience about dementia at a public café in a shopping center. The initiative counted with the participation of a psychologist, two medical doctors, a neuroscientist and the president of Alzheimer association.

c. Brain Buskers

24th March, Botanical garden - Postponed event due to weather conditions

We planned this activity for one day (between 10am and 5pm) to promote the interaction between neuroscientists and different publics. The idea is performed hands-on activities, games, and brain teasers, in the botanical garden, designed for the public to understand brain structure and functions, why brain health is important and how they can behave to protect it. This event was postponed due to the weather conditions and will be held on Saturday, 14th April.

Our activities involved more than 70 researchers and reached directly more than 1000 people from different publics in the following activities: Neuro-adventures at the schools, Neuro-adventures at the labs, Neuro-adventures at the pub, launch of exhibition "The beauty of our cells, public events. Additionally, we produced a comic strip – Voyages without insomnia - that was published in Público, one of the most prestigious daily newspaper in Portugal, that reached 33 353 people - daily circulation number. There were 26 news published about our BAW project in national and regional newspapers.

In digital media – facebook, linkedin, twitter and instagram - we made 32 posts about BAW (with 4 849 likes, shares and comments) and reached 43 900 people.

Related Links

https://www.facebook.com/pg/CNC.UC/photos/?tab=album&album_id=1340588702709281

http://www.cnbc.pt/outreach/outreach00_1.asp

https://www.facebook.com/events/2048238838777510/

https://twitter.com/cnc_uc

https://www.youtube.com/channel/UC0zfnw1q686zD4F335AYoTg

19. The wildlife of robots

Dates and Duration: 6 days: March 12th-17th

Contact:

Dr. Maria Vicente
Open Science Hub-Portugal (Plataforma de Ciência Aberta)
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Email: maria@plataforma.edu.pt

Co-organiser:
Dr. Gonçalo Lopes
Email: g.lopes@neurogears.org
NeuroGEARS

What is behavior and how does it emerge? How can behavior emerge from physical rules and how can it be controlled?

With the objective of raising awareness to these questions, we invited students, teachers, and the community at large for a series of workshops to create, design and manipulate the brain of artificial creatures.

More specifically, we organized the following activities:

1) 5 sessions of 3h workshops - March 12th to 16th, at Middle/High-School of Figueira de Castelo Rodrigo, for students.

2) Whole-day hackathon - March 17th, at the Municipal Pavilion of Figueira de Castelo Rodrigo, for families and teenagers.

These workshops/hackathon consisted on Robotic Labs where participants were challenged to build robots based on a reconfigurable platform that allows coupling sensors (light, touch, distance) to actuators (motors) in different ways, and then to physically rewire the brains of these robots and to observe the resulting behavior.

Throughout this process, participants gained an understanding on how complex behavior and movement can emerge from simple rules, how their own robotic creations relate to existing biological neural circuits that have been mapped in animals, and how behavior complexity and flexibility relates to the external environment, raising awareness about brain function and behavior.

These events reached out to around 150 participants (students, teachers, families), with very positive feedback, and had media coverage, namely from local television (https://www.youtube.com/watch?v=8Yj5GLl2vZk&feature=youtu.be).

Related Links

https://www.dropbox.com/sh/60v1s0fun7au1hr/AAAhUiD2gI9mCfnFOjBv7A5ha?dl=0

https://www.youtube.com/watch?v=8Yj5GLl2vZk&feature=youtu.be

goo.gl/jC7TvV

goo.gl/pZLC5x

goo.gl/jhBdHc

goo.gl/Y2Ffzo

goo.gl/ab4Gvs

goo.gl/HZe5yo

goo.gl/vMEsn8


20. The brain in psychiatric disorders

Dates and Duration: 12-16.03.2018

Contact:
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"Dr. Constantin Gorgos" Titan Psychiatry Hospital
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Co-organiser:
Dr. Elena Bordea
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Adult Day Stationary, "Dr. Constantin Gorgos" Titan Psychiatry Hospital

During this year's Brain Awareness Week, we have organized a series of events addressed to students, medical professionals, patients and their families aiming to increase the awareness in the field of mental health.

On Monday, the 12th of March, starting from 1 PM, in the conference hall of the "Dr. Constantin Gorgos" Titan Psychiatry Hospital, we have organized the opening conference of the event, during which we had presentations regarding psycho-education, the structure and functions of the brain and the influence of stress on mental health. Around 60 participants, mostly students, attended this session.

On Tuesday, the 13th of March, a session regarding the representation of psychiatric disorders in media was held at the Carol Davila University of Medicine and Pharmacy, starting from 6 PM. During this event, adult and child and adolescent psychiatrists held several presentations adressing famous movies and TV shows that depict caracters with mental health disorders. Two medical students held a presentation regarding the way social media influences mental health and how the approach to meantal health has changed in the past decades. Around 150 medical students, doctos, patients and psychologists attended the presentation.

On Wednesday, the 14th of March, at the Titan Psychiatry Hospital, form 11.30 AM, we held a workshop regarding the group psychotherapy and its importance in depressive disorders. 8 psychology students and psychotherapists came to the workshop. From 2PM, several presentations regarding dementia, schizophrenia and bipolar disorder were held by adult psychiatrists. Around 40 doctors, nurses and students attended the session. In the evening, starting from 5PM, in the child and dolescents mental health center, we held a psychoeducation group about the main symptoms and neurobiological bases of ADHD. 10 parents of children diagnosed with ADHD attended the group. This was designed as the first of a series of 4 meetings on psychoeducation for parents of children diagnosed with ADHD, which took place every Wednesday from 5 PM until the 3rd of April.

On Thursday, the 15th of March, at the Titan Psychiatry Hospital, from 1PM, we have organized a workshop regarding the psychotherapy management of anxiety disorders. 25 student, junior doctors and psychologists attended the workshop.

On Friday, the 16th of March, in the morning, the team of the Child and Adolescent Mental Health Center of the Titan Psychiatry Hospital went to the 113 School in Bucharest, where we held presentations to two classes of children (a total of 60 children, aged 6-8) regarding the neurobiological bases of emotions. We used graphic representations in order to explain the functioning of the lymbic system and the fight-flight-freeze responses. The children were, then, asked to draw an emotion that they have experienced. In the afternoon, starting from 2PM, we came back to the Titan Psychiaty Hospital, for the closing conference, during which child and adolescent psychiatrists and neurologists held presentations regarding autism spectrum disorders, ADHD, substance abuse and epileptic manifestations in children and adolescents. Around 40 young doctors, students and patients attended the presentation.

During the whole week, an on-line questionnaire regarding burnout symptoms in medical proffesionals was available on-line. It also investigated the respondes' percetion towards the intensity of different symptoms characteristic for ceirtain psychiatric disorders. By the end of the BAW 2018 week, 127 responders had completed the questionnaire, whose preliminary results were presented during the closing conference on Friday. We are currenly working on a manuscript based on these results to publish in an international journal.

Also, we devised a paper-based questionnaire comprising of four question regarding the perception on patients with mental health disorders. 200 responders, mostly students, completed this questionnaire.

Moreover, we have conceived 10 types of brocures with general information regarding the following diroders: ADHD, autism spectrum disorders, anxiety, depression, dementia, substance abuse (divided into three brochures), bipolar disorder and schitophrenia. We have printed 500 pieces of each brochure, and they were distributed to patients and their care-givers throught the week, as well as aferwards. Furthermore, the brochures developed for autism spectrum disorders were distributed also during the conference which our hospital has organized on the 2nd of Aprill, for the Autism Awareness Day.

We are planning to present all our resputs during the FENS conference this year. We would like to thank DANA and FENS for this great opportunity.

Related Links

https://drive.google.com/open?id=1bQIriMVX_V8OAgUur-YVnX8HM9xFG4ts

https://www.facebook.com/events/200236667228747/

https://docs.google.com/forms/d/1qLtCoqxD2hB7U9bxbmKYBH37KEZnBpFxbPR2qDH2s9M/edit

https://www.facebook.com/events/1778026115601027/



21. My Curious Brain – Youth for youth edition

Dates and Duration: 13.03.2018-17.03.2018

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The Youth for Youth edition of My Curious Brain was a successful event, marking the fourth edition that was hosted by the Faculty of Psychology and Education Sciences, Department of Psychology, University of Bucharest, Romania. The event was organized with the contribution of the students from the Laboratory of Cognitive Clinical Sciences from the University of Bucharest and lead by Dr. Ioana Podina (http://laboratorstiintecognitiveclinice.ro/). The audience was comprised predominantly of students. Hence, the name Youth for Youth.

The event brought together specialists from various fields (psychologists, researchers, experts in neuroscience, biology, and ethology). My Curious Brain was organized on three levels dedicated to (a) cognitive science, (b) neuroscience and (c) ethology. The variety offered by the event attracted approximately 400 interested individuals. Thus, My Curious Brain has achieved its goal of bringing information about the most important advances in cognitive science and neuroscience.

It was visible online via its dedicated Facebook page – totaling 1707 likes & 1723 followers. News about the event were promoted on the radio (ex: www.rfi.ro), on the web page of the University of Bucharest and the Faculty of Educational Sciences and Psychology. The materials provided by the www.dana.org were used as template for the event's promotional materials.

Given the increasing visibility of "My Curious Brain" from the first to the Youth for Youth edition that was the fourth, we can definitely state that the participants have a better understanding of what FENS represents.

Pictures from the event can be accessed on the event's Facebook page (www.facebook.com/constientizareacreierului/)

Related Links
www.facebook.com/constientizareacreierului/

22. Brain Technology - The quest for human enhancement

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
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Physiology and Neuroscience, Carol Davila University

As long-term partners interested in neuroscience outreach, the Scientific Organisation of Medical Students (SOMS) and the National Neuroscience Society of Romania (SNN), organised a series of events for the 2018 Brain Awareness Week at Carol Davila University in Bucharest. The theme of these events was "Brain Technology – The quest for human enhancement" and it was chosen as appropriate ground for making participants easy to relate to some of the questions that research is focused on. Our purpose was to make people of all ages and backgrounds understand more about the importance of neuroscience research and spark curiosity about the nervous system.

The series of events started on Monday, March 12th, with a regional heat of the FameLab competition, organised in collaboration with British Council. Speakers gave brief opening talks about Brain Awareness Week, the FameLab competition and the common points between them. Participants were encouraged to present a topic related to Brain Technology, thus, setting the scene and introducing the public to its importance. Discussions emerged as the public started debating different subjects, especially on the development of technology and the risks it yielded. The winners of the competition were awarded cash prizes, books and vouchers.

On Tuesday, March 13th, a special TIPS(Training with Interactive Presentations for Students) edition dedicated to Neurology was organised for medical students of Carol Davila University of Medicine and Pharmacy. The students had the opportunity to test their clinical knowledge in an interactive manner, by tackling clinical cases presented by their colleagues.

On Wednesday, the Zagrean Neuroscience Laboratory from our university welcomed all those who were interested in seeing how research is done. The visit started with a presentation of the principles of Virtual Reality and its applications in Neuroscience, held by Mihai Moldovan, researcher at Neuroscience Department, University of Copenhagen, Denmark and SNN President. Following the introduction, participants were welcomed to visit the laboratory, where different techniques and experiments were presented by research assistants. The main attraction, was a demo in which people would have their own EEG recorded while being immersed in virtual reality.

On Thursday, we had two keynote lectures tightly linked to our main theme: “The Story Behind the Image: When Vision Meets Language” held by Marius Leordeanu, from Politehnica University, Computer Science Department and “A memory prosthesis by closed-loop stimulation of hippocampal neurons in primate brain: From short-term memory facilitation to the transfer in long-term memory” held by Ioan Opris, from University Of Miami, Miami Project to Cure Paralysis.

Afterwards, we organized a screening of the movie “Ex Machina”, a science fiction story about the world’s first artificial intelligence system, housed inside the body of a beautiful robot girl. The film managed to raise a series of ethical dilemmas as whether robots have consciousness or feelings. Under disguise, would we know it is a robot?

On Friday, the week ended with a final interactive lecture- “From the Human Mind to Artificial Intelligence” held by Professor Leon Zagrean from our university in collaboration with Catalin Dumitrescu, Politehnica University, Artificial Intelligence Department. Recent technological advancements in a diverse array of fields were described. The presentations concluded with a debate, making an interesting parallel with how the week started and further proving that the topic of Artificial Intelligence and Human Enhancement will continue to generate lively discussions in the future.

Our topic, “Brain technology for human enhancement”, raised the interest of many curious people. Throughout the week, our events made this topic accessible and exciting for a variety of people, from all walks of life: medical students, high school students, artists, bioengineers, IT scientists, doctors etc.

News about the event were promoted by mainstream media (Radio Romania) and by posters. The event was visible online via the Facebook page SOMS Neuro (https://www.facebook.com/SOMSneuro/), as well as on the website (https://soms.ro/brain-awareness-week-2018/) and the event dedicated to Brain Awareness Week (https://www.facebook.com/events/150390042293839/).

Related Links

https://drive.google.com/open?id=1hweMinFFGm1GU8PGu2swaAK6d1ktVnkM

www.soms.ro/brain-awareness-week-2018

https://www.facebook.com/events/150390042293839/

23. Smart brains

Dates and Duration: The whole BAW Week (7 Days)

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12 March 2018: Brain facts – exhibition of student's posters selected from Brainfacts.org website

13 March 2018: Neuroset – a live neuroscience competition for 7th grade students about human brain and sense

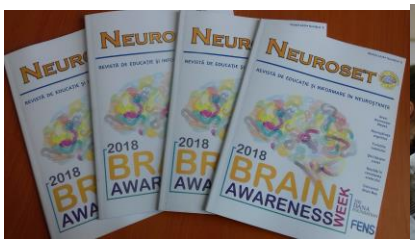
14 March 2018: BAW posters exhibtion with neural pathways involved in brain disorders: Parkinson, Alzheimer, schizophrenia, depression and anxiety

15 March 2018: Smart brains – students was tested by a computer program that tests auditive and visuospatial skills, designed as a test for working memory

16 march 2018: Memory, the time in your brain – a lecture for teachers and students about memory mechanisms and optogenetic technique for studing memory

17 March 2018: Romanian Brain Bee - the winners of local Brain Bee competition attended the live neuroscience competition for 9th to 12th grade students.

Related Links
www.romanianbrainbee.com




24. 5th St.-Petersburg Brain Awareness Week “BIOSENSORS”

Dates and Duration: 12/03/2018-17/03/2018

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Co-organiser:
Dr. Olga Lubashina
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Pavlov Institute of Physiology of Russian Academy of Sciences

The co-organisers are Pavlov First St.-Petersburg State Medical University, Pavlov Institute of Physiology of Russian Academy of Sciences, and Human Brain Institute of Russian Academy of Sciences

Brain Awareness Week "Biosensors" schedule:

BAW «Biosensors» included a set of events on sensory systems importance and functioning: eight lectures, two seminars, excursions and an exhibition.

Day 1: plenary lectures “Biosensors: from common rules to diversity” by Prof. Vjacheslav Dubynin (Moscow State University), and “Senses of human during the space flight” by Dr. Elena Tomilovskaya (Institute of Medical and Biological Problems, Moscow). Day 2: The Main One: Vision (“Vision and stress” by Prof. Yuri Shelepin (Pavlov Institute of Physiology of Russian Academy of Sciences), and “Artificial vision: dreams or reality?” by Marina Lobanova and Daniil Stupin (St.-Petersburg Academic University)). Day 4: Science of Hearing (“Neuroplasticity of an acoustic brain” by Prof. Maria Boboshko (Pavlov First St.-Petersburg State Medical University), and “How are we spatially oriented during movement and illusion of the self-movement?” by Prof. Irina Andreeva (Sechenov Institute of Evolutionary Physiology and Biochemistry)). Day 5: The Oldest Senses (“Olfactory perception from neurobiology to behavior” by Dr. Marianna Zhukovskaja (Sechenov Institute of Evolutionary Physiology and Biochemistry), and “Molecular and cellular mechanisms of taste” by Prof. Stanislav Kolesnikov (Institute of Biophysic, Puschino)).

Day 3 “To the lab!” was an active intermission in lectures, when participants visited the Laboratory of hearing and speech of Pavlov First St.-Petersburg State Medical University. On this day we also organised a set of excursions to the Museum of Optical Miracles for schoolchildren and other participants.

Two extremely actual topics were extended to Saturday intensives. Seminar “Cutting-edge in pain understanding” based on talks “Migraine and headache” (Dr. Yuliana Samulyzhko); “Neuroscience of muscle pain” (Dr. Alexander Korotkov); “Pharmacogenetic of opioids” (Dr. Ekaterina Goncharova); “Antinociceptive system: from theory to practice” (Prof. Alexey Karelov). Seminar “Cyborgs” discussed modern electronic substitutes of sensory organs with topics “Cochlear implants: my baby’s

hearing!" (Dr. Ekaterina Garbaruk); "Cell technologies in medicine" (Prof. Miralda Blinova); "Vision of robots" (Dr. Roman Malashev).

Throughout the week the exhibition "Made for Vision!" (with participation of the Museum of Optical Miracles, Pavlov Institute of Physiology and Pavlov First St.-Petersburg State Medical University) showed how physical properties of optical objects triggered aberrations of visual perception.

Advertising:

The contribution of FENS and DANA was acknowledged in all printed materials (advertising bills, BAW printed program, posters) as well as on web-site of the event (brainweekspb.org).

Pavlov First St.-Petersburg State Medical University made great contribution to information support of BAW events by including them to a special printed Calendar issue, and posting on the University web-site an announcement, program, results and the best lecture awarding (http://1spbgmu.ru/ru/nauka/konferentsii/3222-12-17-marta-2018-g-mezhdunarodnaya-nedelya-mozga-2018-biosensory).

In social network the event was announced and promoted by the BAW_spb group (https://vk.com/club88727454).

The co-organising institutions Pavlov Institute of Physiology and Institute of Human Brain put the corresponding notifications on their web-sites.

We also involved the St.-Petersburg brunch of TimePad system that allows electronic registration for the lecture. It made statistical analysis more accurate, and helped to invite the concerned public.

All these efforts ensured a very diverse and representative audience (see Statistics).

Statistics:

The lectures and seminars of BAW "Biosensors" were attended by 120-180 daily listeners, mainly undergraduate students (49%). Representation of main educational institutions was as follows: Pavlov First St.-Petersburg State Medical University (36% of student audience), St.-Petersburg State University (24%), Herzen Pedagogical University (15%), Pediatric Medical University (15%).

Interestingly, this year adult specialists took 47% of the audience. Their number grows from year to year (23% in 2014) that, we guess, reflects the increasing level of BAW lectures. Additionally, this year we had listeners from Moscow and Tomsk, which specially arrived to visit BAW "Biosensors".

Feedback:

Participants filled out feedback questionnaires for the best lecture, liked events, useful talks, and remarks. In sum 77% of attendees considered BAW events useful; 87% liked it.

"Artificial vision: dreams or reality?" by Marina Lobanova and Daniil Stupin was chosen as the best lecture. The seminar "Cutting-edge in pain understanding" was highlighted as the second best event. In the questionnaires we received a lot of thanks, warm regards and new topics to cover.

Post-hoc:

On brainweekspb.org web-site the video-records of lectures will be uploaded (with the authors' permissions). The seminar "Cutting-edge in pain understanding" will be uploaded on web-sites of all

co-organisers. Analytic articles are ready and will be printed in April issues of «Pulse» and «Bulletin of the Higher School» newspapers.

BAW "Biosensors" main goal to provide public with scientific principles of brain sensors' operation and with a background of prophylaxis and improvement of sensory organs functioning was achieved.

Related Links
brainweekspb.org
https://vk.com/club88727454
http://1spbgmu.ru/ru/nauka/konferentsii/3222-12-17-marta-2018-g-mezhdunarodnaya-nedelya-mozga-2018-biosensory

25. Evolution Foundation Lectures as part of the Brain Awareness Week

Dates and Duration: 13-18 March 2018

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Evolution Foundation Lectures took place in four cities of Russia from 13 to 18 of March 2018 as part of the Brain Awareness Week.

In Samara and Nizhny Novgorod Irina Yakutenko, biologist, science journalist and author took to the stage to talk about the way our brain works when trying to overcome a temptation, and why it is harder for some of us. In the lecture titled "Genetics and Neurobiology of lack of will: why some people are better at fighting temptation than others" Irina discussed why some people are better at refusing temptation, and others can't fight it and break the promise not to smoke, to diet, or go running every day. Turns out people who can't fight the temptation have physiological, biochemical and genetical differences from those, who has strong willpower.

In Kazan and Ulianovsk, Alexaner Panchin, PhD, Senior Research scientist, and author gave lectures on the connections between the paranormal and neurobiological basis for it and the way the brain can trick itself.

In Ulianovsk the lecture of the day was "The Sleep of Reason Produces Monsters: neurobiological basis of the myths on paranormal", and it was about neurobiology of sleep paralysis, phantom-limp pains, seeing the aura, near-death experience, and other occurrences of unusual experiences, which often described to have paranormal origin.

In Kazan the public talk was titled "The Brain Tricks Itself: from Biolocation to Communicating with the Ghosts". There is a certain order to the mistakes our brain makes, and the things human mind believes"

In each of four cities local scientists and science communicators also gave public talks. In Nizhny Novgorod – Irina Mukhina, Doctor of Biology, in Samara – Evgeniya Chibikova, pediatric psychiatrist, and in Kazan and Ulianovsk – Aleksander Granitsa, psychiatrist.

The format of the event is called “double lectures,” which is successfully used by the Evolution Foundation for over two years and became a recognized brand in Russia. Each event included two lectures by experts in neurophysiology, biology, medicine, psychology and psychiatry. Each lecture was 40 to 60 minutes long followed by a Q&A session, which is 30 to 40 minutes long.

Therefore, each event last 2.5 to 4 hours long and was successful. In Kazan about 260 people came to listen about the mistakes our brain makes when taking decisions. In Ulianovsk – more than 200 who were interested in Irina Yakutenko’s lecture. Overall about 850 people learned about neurobiology of the brain and about 10 000 were exposed to the advertising campaign and discovered the initiative of the Brain Awareness Week: to discuss current research in the neurosciences and underline the importance of studying the brain.

It was an honour for Evolution Foundation to be part of the international advocacy on the importance of neurosciences.

Related Links

https://drive.google.com/drive/folders/14BXk-p32QebqUySG8K0z0So1876y2DtJ

http://evolutionfund.ru/blog/2018-03/179

https://www.facebook.com/pg/evolutionfund/photos/?tab=album&album_id=1265154366962249,
https://www.facebook.com/pg/evolutionfund/photos/?tab=album&album_id=1255958237881862,
https://www.facebook.com/pg/evolutionfund/photos/?tab=album&album_id=1255836471227372,
https://www.facebook.com/pg/evolutionfund/photos/?tab=album&album_id=1254246454719707

http://evolutionfund.ru/blog/2018-03/179

26. Brain Awareness Week 2018 "Mind-full of Consciousness "

Dates and Duration: The whole BAW Week (7 Days)

Contact:

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Gala opening of BAW 2018 “Mind-full of Consciousness“ was event called Delicatessen Monday – Neurogastronomy, which took place at Cultural Center “Grad” at 12th of March. Organizers fused something seemingly incompatible – cuisine and neuroscience, so visitors had opportunity to try our dishes: Astrocite pina colada chicken, Purkinje’s vegetable fantasy with pineapple and Chia myelinated pudding. On the same day, at Student Cultural Center, popular science lecture and student tribune about sleep and circadian rhythm held in front of numerous auditorium.

From 12th to 17th of March our interactive exhibition called “Hunt on Consciousness” in Gallery of Science and Technology at Serbian Academy Of Art and Science had amassing attendance. Through many neuroscience experiment demonstrations, introducing of microscopic, anatomical, and pathological brain preparations, psychological tasks and experiments, we presented one term – Consciousness, from different point of neuroscience view and with multidisciplinary approach. This exhibition was design as treasure hunt of game with various clues, puzzles and riddles leading to the fact regarding neuroscience of consciousness.

From 13th until 16th of March, at ARTGET Gallery in Cultural Center of Belgrade, young enthusiastic and curious citizens had opportunity to attend neuroscience popular lectures. 15 professors from University of Belgrade, MD, PhD and neuroscience researches from departments of Neurology, Histology, Biochemistry, Anatomy, Psychiatry, Experimental Psychology and Medical Physiology, Serbian Brain Council and School of Electrical Engineering had have presented interesting topics from their neuroscience field of research.

Student Body of Serbian Neuroscience Society has 8 years long tradition in BAW organisation. From 1st BAW, every year during this neuroscience promotion, Assistant professor Miloš Bajčetić, MD, PhD is part of our program, so his lectures are traditional in every BAW. This year, as expected, he held his interactive lecture at Office for youth “Gnezdo” in famous building "Beograđanka" on 14th of March.

Our multidisciplinary approach in organisation of neuroscience popular events, was also presented through art and science events on 15th of March at Student Cultural Center and on 17th of March at ARTGET Gallery. Neuroscience and art fanciers had chance to learn something about Consciousness through art and to see how students from Academy of Applied Arts understand and experience fear at projection of short student movies.

In cooperation with the Center for the Promotion of Science, we have organized few interactive art and education workshops for the youngest called "Anatomical Puzzle". Using various materials such as collage, coloring books, puzzles, tubes, a cotton wool and crayons, kids had opportunity to fold puzzle on their own - a man, and find out whether brain or other organ conducts our organism and why. Children have had fun and learned that all of organs in the system of living beings work harmoniously and synchronized. At the end of workshop a group of the youngest, curious neuroscientists had one more assignment, which was to be aligned just as all organs in a human body and color different parts of the brain together.

Within laboratory open days, students from various colleges had opportunity to visit Laboratory for Laser Microscopic at School of Biology, Laboratory for Neurochemistry and Laboratory for Molecular Neurobiology at Institute for Biological Research “Siniša Stanković”, Laboratory for Intercellular Electrophysiology of Nervous System, Laboratory for Neurophysiology and Laboratory for Neuroscience at School of Medicine, University of Belgrade. Young researchers from Student Body of

Serbian Neuroscience Society, took part in workshops with their professors and tutors and helped other students to understand some of the research done in those laboratories.

In conclusion, we are very proud at our BAW 2018 "Mind-full of Consciousness" program. Science popular lectures visited over 400 students and young curious people. In regarded to unofficial data, our exhibition visited over 1500 citizens alone or in groups. According to evaluation form, which we have been implementing during last 3 years at Gallery of Science and Technology, our interactive exhibition was rated with higher marks compared with exhibitions in last 2 years, and visitors, which were mostly students, definitely had learned something new and declared that our volunteers succeed in numerous tasks to present some neuroscience topics in interactive, creative and amusing way. This and other data from our evaluation form, allowed as to claim that BAW 2018 "Mind - full of Consciousness" program was more successful than our BAW 2017. Results from our 3 year evaluation of interactive exhibitions which visitors in gallery rated during BAW 2016, BAW 2017 and BAW 2018 are going to be present in Belgrade during April 2018.

Related Links

https://www.flickr.com/photos/139487387@N05/albums

1. Video animation for BAW 2018 Mind-full of Consciousness program: https://www.youtube.com/watch?v=25CzIBzK0-U

2. Video annunciation for our interactive exhibition "Hunt on Consciousness": https://www.youtube.com/watch?v=vO5-QmTDHhY

3. Jelena talks about out BAW 2018 activities in morning program on national TV, 11th of March 2018: https://www.youtube.com/watch?v=vO5-QmTDHhY

4. Insert about our interactive exhibition "Hunt on Consciousness" within BAW 2018 on national TV, 15th of March 2018: https://youtu.be/x2OKWEQLcHo?t=17m10s

https://neuronauke.org/

5. Facebook public event for BAW 2018 Mind-full of Consciousness all activities: https://www.facebook.com/events/1635871006496522/

6. Facebook fan page of Serbian Baw (pictures, information, public events): https://www.facebook.com/BawSrb/

7. Facebook public event for Neurogastronomy :
https://www.facebook.com/events/2084371415136598/

https://www.flickr.com/photos/139487387@N05/albums

8. BAW 2018 Mind-full of Consciousness announcement in daily newspapers „Blic" 8th of March 2018: https://www.blic.rs/vesti/beograd/izlozbe-predavanja-filmovi-u-ponedeljak-pocinje-nedelja-svesti-o-mozgu/0ken3jb

9. BAW 2018 Mind-full of Consciousness announcement for science popular lections and short students movies at ARTGET Gallery: https://www.kcb.org.rs/2018/03/8-nedelja-svesti-o-mozgu-sve-starne-svesti-17-mart/

10. BAW 2018 Mind – full of Consciousness announcement 7th March 2018 : http://www.tanjug.rs/full-view.aspx?izb=393558

11. BAW 2018 Mind – full of Consciousness announcement for science popular lectures in Student Cultural Center: http://www.skc.org.rs/redakcije/plusplusforum/9893-sve-strane-svesti.html

12. BAW 2018 Mind – full of Consciousness announcement on national television of Serbia website: http://www.rts.rs/page/magazine/sr/story/2523/nauka/3068040/nedelja-svesti-o-mozgu-sve-strane-svesti.html



27. Brain Awareness Week 2018: The world is Build on Dreams

Dates and Duration: 12/03/2018-16/03/2018

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Co-organiser:
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Université de Neuchâtel

SiNAPSA, Slovenian Neuroscience Association, prepared the 15th anniversary of BAW in Slovenia on the general topic of dreams. Sleep and dreaming are intriguing phenomena that are still relatively poorly understood even after millennia of folk theories and decades of rigorous scientific research.

Thus, we plan to accomplish BAW goals (bringing updated neuroscientific knowledge to the public, raising interest in science, educating about disorders and preventive practices, bringing experts and lay people together and showing how thrilling science can be) through a number of events and activities: Neuroscience Festival, Brain-o-theque (discussions about films from neuroscientific perspective), Neuroscientists on Wheels (to spread events to local areas), Workshops (for children, adults and elderly) and Brains creative contest: Brains 2049 (for primary and secondary schools.

Monday keynote lectures were titled as “The past, the present and the future of dreams”. Introductory lecture was presented from the mythical and psychoanalytic view of dreams. Furthermore, next lecture was an overview of the main contemporary theories of dreams. We ask ourselves the questions about why dreams arise, what their functions are in human life, and what happens in brains during dreaming. The last lecture was “The dreams that build the world” and was not considered as an error in the functioning of the brain but rather as their greatest achievement. We reviewed the neural, psychological and social mechanisms of presenting the future and consider the brain as a prospective body that creates new visions from the memories of the past.

Each day from Monday till Friday we organized 6 workshops (Working with dreams in gestalt psychotherapy; Which Game You Play: games in (interpersonal) relationships, Improvisation, Music Workshop, Meditation, Between creativity and playfulness) for adults and 2 for children (Brains in Wonderland, Brains creative contest: Brains 2049) on topics related to sleep, dreaming, and creativity. Additionally, in collaboration with National Gallery, a prominent neurologist became a curator for a day and gave a guided tour of selected artworks with commentary on brain, art and neuroaesthetics. Each afternoon and evening we screened 7 movies (The Handmaiden, Leviathan, Requiem for a Dream, Kollektivitet, Sen to Chihiro no kamikakushi, The Dreamers, Mullholland Drive). We called this Brain-o-theque where scientists were invited to comment the film in a short talk and engage the audience in a discussion.

On Tuesday afternoon we presented “TOP 7” neuroscientific research findings in the previous year. The lectures were given by the professors from the University of Ljubljana. The titles of lectures were: Rhythms of Sleep and Nobel Prize, Mechanisms of memory and astrocytes, Biomarkers for depression in association with the most appropriate treatment, Use of psychoactive substances in medicine: Hidden traps and undetected potentials, Transcranial brain stimulation: clinical applications and future directions, Genom manipulation of CRISPR in Neuroscience, Robotics Detection: Cognitive Feedback in Human-Robot Interaction.

On Wednesday and Tuesday clinicians from different fields presented clinical themes regarding sleep and dreams. On Wednesday we talked about neurobehavioral functioning and behaviour problems in school-age children, sleep disorders and cognitive behavioural therapy, about the importance of the broken rhythm of sleeping in the development of metabolic diseases, about the role of sleep in cognition and emotion and we presented the narcolepsy as a disorder of sleep. On Wednesday evening we celebrated the 3rd Slovenian National Day of the Brain which was devoted to healthy sleep habits. In the evening we prepared a social event with music, dancing and refreshments. Thursday’s program was titled “Among the veils of reality”. Visitors could listen about different steps of thinking, hypnotized brain, lucid dreams and its potentials and about phenomenological characteristics of dreams and psychosis in clinical practice. During the breaks students also performed certain phenomenological statements regarding the following lecture.

On Friday’s roundtable, we discussed how we through the visions of the future make up the present. How does the future motivate us as individuals and society? What kind of dreams do we follow or are we following at all? What happens when, in certain cases (e.g.: in clinical disorders), we ‘lose’ the look into the future?

Similar to the festival, we organized as well a series of lectures outside the capital city (6 local areas). Neuroscientists on Wheels are visiting neuroscientists who talked about subjects close to their area of study and touch upon the main theme.

BAW was enriched by radio interviews "Možgani na dlani" and TV shows for science “Ugriznimo znanost”. We promoted events through social media and in collaboration with national and local newspapers, TV, radio, public transport, and with printed materials in schools, faculties and institutes.

Related Links

http://4d.rtvslo.si/arhiv/ugriznimo-znanost/174526173

http://www.sinapsa.org/tm

https://www.facebook.com/teden.mozganov/notifications/
http://tedenmozganov2018.si

28. "SINAPSIS 2018: when BAW is part of a festival declared Intangible Heritage of Humanity"

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
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Pharmacy and Pharm. Tech. and Parasit., University of Valencia

The BAW 2018 in Valencia has been held during the same week than the Fallas Festival, a declared Intangible Heritage of Humanity by UNESCO. All the activities proposed in our application have been celebrated as expected and we obtain a big number of participants and visitors. We had about 200 people attending to the talks and seminars, and more than 50 people per day visited the neuron and the exhibition placed in the Jesus Square. Next we summarize the activities as proposed in the application:

1. Falla. The monument of the 3 neurons was placed on the Jesus Square following traditional way of Fallas Festival. The monument was made of wood, old clothes and tree branches that were covered with the microphotographies obtained from more than 20 investigators from labs from UK, USA and Spain. Monument was placed on the 15th and burned the night of the 20th as tradition in Valencia. The Falla obtained the 9th Award of Experimental Fallas given by local Government and the 3rd Award for promoting equality of right of people suffering mental diseases.

2. Together with the Falla, an exhibition of 18 microphotographies was exposed in the street from the 15th to the 20th 24 hours.

3. The APP was constructed as explained in the application. This APP was finally free available in Google Play (Synapsis FPJ-UV). This APP allowed by means of virtual reality to complete the neurons exhibited with more virtual neurons, allowing understanding the complexity of the nervous system. Moreover, the APP provided basic information of the nervous system and included links to published news related with neuroscience discoveries.

4. The Journal "Sinapsis" was published. It was presented in the Aula Magna (Medicine School, Universitat de Valencia), were Ramon y Cajal used to teach anatomy. The event will include a short presentation of the project, of the journal and an acoustic concert (performed by Mr. Sánchez) More

than 50 people attended and received a free issue of the journal. 250 free journals have been distributed to the Falla visitors. This Journal participated in the "Falla's Journals contest" (from local Government in Valencia) and we received the 6th Award. More than 100 Journals edited by Fallas were participating in this contest.

5. Neuromascletà talks and seminars. This event took place on the 16th in the evening. More than 200 people attended to the talks and seminars. Seminars were given in small groups of 10 people (of all ages) from 18:00 to 19:00. Seminars were short talks with more interaction with the attendees. Three seminars were given:

i) how does the neuron and the brain work?

ii) In the bar… safe alcohol drinking

iii) The sixth sense: proprioception

After seminars, the talks started in a space prepared to do so. Four talks were given and attendants could also make questions at the end of each talk. The talks were:

i) Cajal: the fire-worker of neuroscience. Dr. Laura López-Mascaraque. Instituto Cajal-CSIC, Madrid.

ii) Are we seeing the real truth? Or does our brain lie to us? Dr. Nicolás Cuenca. University of Alicante, Alicante.

iii) Is it possible to cure addictive disorders? New advances in the field. Dra. Ana Polache, University of Valencia, Valencia.

iv) Brain and cinema (the director's version). Dr. Juan Nacher. University of Valencia, Valencia.

Moreover, Little tours will be given through the APP and the Falla with the help of the organizing committee and Neuroscience Master students (Jaier Cuitavi, Marta Igual, Elena Torres, Jesús Lorente) from the University of Valencia.

Finally, our activities of the Brain Awareness Week, were followed by different media. Newspapers, radios and TV stations publishd our activities, interviewed us and visited the Falla. So, the activities arrived to a rally broad audience.

Related Links

https://drive.google.com/drive/folders/1NfRf1OgFAR7JiwFWUZ55gPa2vEHs0ht8?usp=sharing

http://fallaplazajesus.es/index.php/about-us/llibret-2017/?lang=es

https://twitter.com/Neuro_mascleta?lang=es

http://www.lavanguardia.com/local/valencia/20180314/441519224052/sinapsis-de-como-las-fallas-tambien-sirven-para-divulgar-la-ciencia.html https://www.vilaweb.cat/noticies/benvinguts-a-les-neurofalles/

The activities were published in the website of the University of Valencia and in several local media.



29. Consciousness in the electrical brain

Dates and Duration: 15/03/2018 and 16/03/2018

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Neuroscience, Starlab

In the context of the Brain Awareness Week (BAW) 2018, we, the Centre for Genomic Regulation and Starlab have organized a variety of activities for the general public to explain and explore the fascinating concept of consciousness. The event took place on 15th and 16th of March from 18:30 to 21:00 at CaixaForum, a sociocultural centre that opens its doors to conferences, workshops, and scientific events.

We disseminated the event through mailing lists, activity pages, social media (Facebook, Twitter, Linkedin), and the press. The event received a lot of attention from the public. On both days, the main conference room with a capacity up to 100 people was almost full. The attendees interacted with researchers and experts, by asking many interesting questions, and also, by sharing their thoughts about consciousness. The discussions continued after the sessions.

The event started on March 15th, as Mara Dierssen introduced the concept of Brain Awareness Week and the activities we planned for it (Photos 1-3). After the introduction, the event continued with Luminous Lectures: Measuring and altering consciousness in the electrical brain. A short, 30 minute lecture about unravelling the black box of consciousness in healthy and diseased brains was given by Aureli Soria-Frisch, Eleni Kroupi and Marta Castellano from Starlab. They talked about Luminous, a European research project coordinated by Starlab, focuses on answering the questions such as "Can we measure consciousness? Can it be altered through electromagnetic brain stimulation?" (Photos 4-7).

Next, a colloquium orchestrated by a panel of specialists from different disciplines shared their vision about consciousness and explained their approach for studying it (Photo 8). This activity received a lot of questions from the public. The panellist were:
Aureli Soria-Frisch: Neuroscientist (Chair)
Mara Dierssen: Professor of Neurobiology
Josep María Fericgla: Professor of Cognitive Anthropology
Teresa Versyp: Quantum Physicist
Ane Lopez Gonzalez: Neuroscientist

After this activity, the event ended with a stand-up dinner where the attendees could talk and interact with researchers and continue asking questions as they enjoyed some food and drinks.

At the same venue, we organized three additional parallel activities. These were:

1. Your brain tricks you! Consciousness experiments: Two different experiments were setup for the public. On one station, we measured consciousness of the attendees by using electroencephalography signals and binaural bits, on the other stations, we measured conscious vs. subliminal perception. Both experiments received a lot of attention from the public. (Photos 10-12)

2. Cine-Consciousness: We showed parts of different movies and documentaries about consciousness. Many attendees asked us to give them the names of the documentaries, so we provided this information the second day. (Photo 14)

3. Consciousness Wall: We asked the attendees to paint, draw, or write their views and thoughts about consciousness. The results were exhibited on panels. (Photos 15, 16)

On the second day, March 16th, we followed a similar scheme with different lecturers and panellists.

The session started with the activity called The Ghost in the Brain. Two different talks from two different perspectives, neuroscience (Marcos Quevedo) and meditation (Ivan Oliveros), were given about "What is consciousness? How does the brain reflect our inner experience?" (Photos 9, 17).

Following this session, we moved to a debate about how different disciplines can work together to study consciousness. The panellists were:

Aureli Soria-Frisch: Neuroscientist (Chair)

Mara Dierssen: Professor of Neurobiology

Ivan Oliveros: Writer, philosopher and hindu pedagog

Similar to the first day, the event ended with a stand-up dinner in which the attendees could chat with researchers or experts. And, three parallel activities were also repeated during the second day.

Overall, we were very happy to see many attendees and a lot of public interest and interaction.

Related Links

http://www.crg.eu/en/event/consciencia-en-el-cervell-electric

https://www.facebook.com/events/558811597819063/?ti=icl

https://twitter.com/LuminousEU



30. The Brain and its Environment

Dates and Duration: 12 - 16/03/2018

Contact:
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Email: neuro@unibas.ch

The BAW 2018 was organized by the coordinators of the research network Neuroscience Network Basel: Dr. Simone Grumbacher and Dr. Catherine Alioth

This year's Brain Awareness Week (BAW) in Basel offered five evening lectures followed by Q & A sessions. Neuroscience researchers of the Basel area presented their current research topics and results to the public. We chose to present neuroscience highlights ranging from cellular neurobiology to neuropsychology, thus covering many different modern research areas in the field. For example researchers presented results on epigenetic influences on cell and brain function, stem-cell neurobiology, brain-gut interaction, processing language with regard to social interactions and modern techniques applied in brain surgery. The audience much appreciated the range covering basic research to applied and clinical research. The public demonstrated their great interest in these topics by asking many questions after the talks and engaging in a lively discussion. In total we welcomed over 2'100 attendees! Some persons attended more than one lecture! It was a particular pleasure to be congratulated by some people who attended the evening talks of the entire Brain Awareness Week. The lectures were free of charge and the speakers were not remunerated. This year's popularity of the BAW in the public was on the one hand certainly due to the choice of topics and excellent speakers. On the other hand we are convinced that the FENS financial support was very helpful, because it allowed us to lead a more extensive advertisement campaign.

Related Links

http://www.neuronetwork.unibas.ch/brainweek18/index.html

http://www.neuronetwork.unibas.ch/brainweek18/index.html

https://www.facebook.com/Neuroscience-Network-Basel-124257454451418/

https://twitter.com/NNBtweet

http://www.hirnliga.ch/index.php?id=27

31. Istanbul-Kocaeli Brain Awareness Week 2018

Dates and Duration: The whole BAW Week (7 Days)

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In this year's event, faculty members from different universities have visited TED Istanbul College Nursery (80 students), Sile Yonder Primary and Secondary School (20 students), Sile Sehit İlkogretim Okulu (20 students), Tuzla Dr Behiye Nevhiz Anadolu Lisesi High School (Grade 11, total of 120 students), students from various schools gathered at Sancaktepe Science and Experiment Center (Grades 5 and 6, 80 students) and at Tuzla Science and Experiment Center (Ages 5 and 6, 60 students), students from a village school at Gebze (Gebze Cumakoy Secondarry School, Grades 5 and 6, total of 80 students), and students from Sile area at the Forest School of Sile (80 students), increasing our outreach to over 500 students.

Faculty members had given a brief presentation (5-10 min, depending on the level of students) on their research area, including brain imaging, neuroscience, neurobiology, and learning. Prof. Dr. Isil Kurnaz (project coordinator) is a Molecular Neurobiologist at Gebze Technical University and Prof. Yasemin Gursoy Ozdemir, Director of Institute of Health Sciences and a Neurologist at Koc University Hospital; they have talked to students about "neurons" (with their "hair" or dendrites, and their "arms" or axons) and neuron networks. Prof. Dr. Kemal Turker is a neuroanatomist at Koc University; he has talked to students about the lobes of the brain, and on intelligence, learning and memory. Dr. Zeynep Fırat is a Radiologist at Yeditepe University Hospital; she showed the kids what brain imaging is and how the doctors "take pictures or movies" of the brain; and Assoc. Prof. Aysun Oztuna Kaplan from Sakarya University Faculty of Education talked to the students about how our brains learned.

We discussed what brain means to us, its neural composition and how it helps us with our daily activities. Brain imaging systems and their usage in certain conditions were mentioned. Students had a chance to see how the brain can be "fooled" by optic illusions. They were given various activities at specific stations such as juggling, optical illusions, exploring brain model and so on. Activity sheets, caps and brain-shaped erasers were given to the children. 6th grades were also asked to prepare slogans. This year we have used last year's best slogan - "In the name of neurons!"

The activities were shared on social media, mainly on our lab's Facebook page

(https://www.facebook.com/AxanLab),laboratory website (https://axanlab.com/outreach/)

and twitter accounts (@isil_aksan), TUBAS (Neuroscience Society of Turkey) Brain

Awareness Week Facebook page

(https://www.facebook.com/BeyinFarkindaligiHaftasiBAW/), Facebook pages of partner

schools or science centers.

Additionally, our BAW 2018 activities have also been influential in the local social media as

well as gather worldwide attention, and Global Young Academy also supported the event with a matching fund of 250 Euros.

32. Brain Days at Bogomoletz Institute of Physiology (BAW@BIPH)

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
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Department Sensory Signaling, Bogomoletz Institute of Physiology

Neuroscience Movie Club was organized during BAW@BIPH for the first time. Organisers selected for demonstration three excellent movies with characters or plots related to neuroscience. Each movie was preceded with the short introductory lecture (20 min) and followed by a discussion with coffee/tea and cookies.

March 13 - The Theory of Everything (Amyotrophic Lateral Sclerosis)
Introductory lecture - Bizhan Sharopov (PhD student, Bogomoletz Institute of Physiology)

March 14 - Rain Man (Autism)
Introductory lecture - Dr. Viktor Dosenko (head of the department of general and molecular pathophysiology, Bogomoletz Institute of Physiology)

March 15 - The Diving Bell and the Butterfly (Stroke)
Introductory lecture - Dr. Oleksii Boldyriev (researcher, Bogomoletz Institute of Physiology)
The idea of this event appeared to be very successful. The discussions after the movies lasted longer than two hours. About 150 people of different age visited these events (~50 per time).

BAW at BIPH was held on Saturday, March 17.
Several lectures for the general audience were given by our experts:
“How memory works” by Dr. Oleksii Boldyriev, BIPH
“Schizophrenia” by Taras Vereschak, Bogomolets National Medical University
“Cannabis: pros and contra” by Prof. Viktor Dosenko, BIPH
“Music and Brain” by Nataliia Shtefan, BIPH
“How to keep your brain healthy and wealthy” by Prof Nana Voitenko, BIPH
The lectures followed by practical demonstrations "The science on the fingertips": “Brain microscopy” - visitors could use microscopes to see different parts of nervous system (hippocampus, cerebellum, spinal cord, etc),
“Jellyfish gene helps to heal brain diseases” - short talk about the optogenetics with the demonstration of GM-mice (with GFP),
“Test your sensitivity” - different methods to study skin sensitivity (touch and pain),
“Brain and behavior” - basic behavioral methods with laboratory rodents.

Researchers and PhD students from Bogomoletz Institute of Physiology and university students demonstrated rat brain specimens, neurons, explained about basic neuron functions, synapses and their role in the learning process.

About 200 people of different age (from schoolchildren to seniors) visited our Institute this day. All children received printed “Brain structures” posters and "More Mindbogglers!" booklets (in Ukrainian).

Scientific lecture "Cortical Plasticity Following Sensory Loss and Restoration" by Prof Amir Amedi (The Hebrew University of Jerusalem) was organized at Bogomoletz Institute of Physiology on March 16 with the support of the Brainy project, MASHAV and the embassy of Israel in Ukraine. The lecture was devoted to the brain plasticity, integration of different sensory systems and application of scientific knowledge to patients’ rehabilitation. About 100 young scientists and students visited this brilliant lecture. The lecture raised a great interest in the audience and long-lasting discussion.

Ukrainian Brain Bee - the official regional Brain Bee. The preliminary internet test was organized during BAW on Saturday, March 17. More than 120 students registered for the test. The judges selected 7 best participants who correctly answered more than 75% of questions. They were invited to Bogomoletz Institute of Physiology for the final competition. During this stage, they passed a written test, practical anatomy and histology tests and live questions & answers session. The winner, Lada Isakova from Kyiv Gymnasium #109, scored 96%. Lada appeared to be a quite motivated person in studying biology and especially neurophysiology. As a member of the Minor Academy of Sciences of Ukraine, she has participated in some experiment in the laboratory of neurodegenerative diseases. As the national Brain Bee champion, Lada Isakova will represent Ukraine at an international competition that will take place in Berlin during the X FENS Forum in July. Now we are looking for sponsors to support her participation and to cover her travel expenses.

Related Links

https://drive.google.com/open?id=1q_QAclFxlSspt_weuKAEbj_qYUQmpuLs

http://usn.org.ua/index.php?id=tizhden-mozku

https://www.facebook.com/events/171426480315901/

http://www.nas.gov.ua/UA/Messages/News/Pages/View.aspx?MessageID=3824

The announcement about BAW was posted to a number of news resources and governmental organizations

One of biggest daily newspapers: https://day.kyiv.ua/uk/article/den-ukrayiny/podumayte-pro-mozok

Kyiv region news portal:

http://kievvlast.com.ua/news/v-stolitse-startuet-nedelya-mozga

National Academy of Sciences:

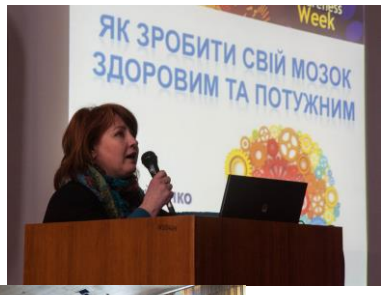
http://www.nas.gov.ua/UA/Messages/News/Pages/View.aspx?MessageID=3824

Minor Academy of Sciences:

http://man.gov.ua/ua/notice_board/partners

Facebook page of the event:

https://www.facebook.com/events/171426480315901/



33. Mad Hatter Grey Matter: A Brain Awareness Week Festival

Dates and Duration: The whole BAW Week (7 Days)

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Co-organiser:
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St Cecilia's Hall, University of Edinburgh

'Mad Hatter Grey Matter: A Brain Awareness Week Festival' in Edinburgh explored creativity and neuroscience through a variety of activities clustered around two venues – one bringing neuroscience into creativity (St Cecilia's Hall), the other bringing creativity into neuroscience (Old Medical School).

We organised six events, one exhibition and a school visit, reaching 385 people, including about 200 high school pupils and 33 primary school pupils. Our events were:

St Cecila's Hall
SCO Reconnect: Creative Music Making for People Living with Dementia. An afternoon of talks and performances that profiled the Scottish Chamber Orchestra project 'SCO ReConnect' interactive, creative music workshops for people living with dementia delivered by the Scottish Chamber Orchestra in partnership with the University of Edinburgh and the Royal Edinburgh Hospital. Very poor weather and booking platform problems meant only 12 people attended this event.

Scottish Poetry Library Headlines: Medicine and Poetry. An event pairing poet Ken Cockburn, who works with people in care homes (including dementia sufferers), with Dr John Gilles (University of Edinburgh Compassion Initiative) for a thought-provoking evening of observations & readings, drawing on their personal experience of how poetry has an impact on the thinking & response of both patients & practitioners in care contexts. This event was attended by 53 people.

FUSION Neuroscience and Art exhibition: Exhibition by two neuroscientists who also express their passion for the brain through art, displayed alongside the St Cecilia's Hall events. Visitors were those attending the other events (65 people).

Medical School and University of Edinburgh Library
Curator tours of the Anatomical Museum: A rare chance to experience a guided tour of the Anatomical Museum and see one of the largest collections of Anatomy in the UK, including the museum's phrenology collection and attempts understand the brain in the 19th century. This event was run twice, was sold out with 30 people attending.

Inside the mind: medical illustrations of the brain: An exclusive viewing of the Lothian Health Services Archive's fascinating collection of medical illustrations generated through the practice of Edinburgh neurosurgeon, Norman Dott (1897 - 1973). This event was sold out and 7 people attended.

Neuro-theatre – 'Live' Brain Surgery!: This early evening event was run by the University of Edinburgh Student Neurological Society and Edinburgh Neuroscience and brought a theatrical approach to improving the public understanding of the management & impact of traumatic brain injury. It started with a drop-in session with stands highlighting research relating to brain trauma as well as emergency medicine and rehabilitation. The main event was an interactive theatrical performance by paramedics, anaesthetists and neurosurgeons demonstrating the process of pre-hospital care and neurosurgical evacuation of an acute subdural haematoma using state-of-the-art simulation with real brain surgeons! The evening ended with a moving presentation by the traumatic brain injury charity Headway and a patient ambassador. This event was sold out with 380 bookings and a long waiting list, and 250 people attended.

getBRAINY workshop – getCONNECTED: Our getCONNECTED workshop visited a primary school in Fife and delivered this workshop to two school classes. 33 pupils learnt about how brain cells communicate using chemicals, and how our brains change as we go through adolescence.

Social media awareness raising

Social media promotion reached over 30,000 people and led to a significant increase in followers, including from key accounts such as Edinburgh Reporter (54.2k followers, Brian Ferguson, arts journalist for the Scotsman (14.2k followers) and Scottish Chamber Orchestra (21.5k followers).

Feedback

23% of St Cecilias Hall attendees provided feedback: 100% enjoyed the event they attended, 100% rated the speaker as either excellent or very good, and 100% would recommend the Mad Hatter, Grey Matter Festival to others

47% of Neurotheatre attendees provided feedback: 100% enjoyed the event and 100% said they would recommend it to a friend. The audience understood more about traumatic brain injury after the event with self-assessed knowledge level raising from 3 to 7 (scale of 1-10).

Feedback comments

"Thank you for an absolutely fascinating and insightful evening. I do hope you have more such events planned" – audience member from Medicine and Poetry event

"St Cecilia's Hall is the perfect venue for exploring the influence of music on the brain. Please can we have more interactive events with musicians explaining their work" – audience member from the 'REConnect talk

"Really fantastic event following the complete patient journey. The patient interview at the end was a very nice touch." – audience member from Neurotheatre

The Mad Hatter Grey Matter Festival was supported by a Brain Awareness Week grant from Dana/FENS

Related Links

http://www.edinburghneuroscience.ed.ac.uk/outreach/BAW

https://www.facebook.com/EdinUniNeuro/
https://twitter.com/EdinUniNeuro

34. London Brain Bee Competition 2018

Dates and Duration: 17/03/2018

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Future neuroscientists, psychologists, neurologists and doctors from secondary schools in London and beyond came together to participate in the annual London Brain Bee championship on Saturday 17th March at the Sainsbury Wellcome Center (SWC) for Neural Circuits and Behaviour. The event was funded by the Company of Biologists, DANA Foundation and King's College London Public Engagement grant.

The Brain Bee championship exposes young students to the study of the brain early in their academic careers, and aims to motivate students to pursue careers in psychology, neurology, neurosurgery, or neuroscience. The one-day competition is open to all secondary school students.

Challenge begins
The competition started with the welcome session followed by a series of exams:

1) a written test of multiple choice questions on brain facts (topics include intelligence, emotion, memory, sleep, vision, hearing, sensation, Alzheimer's disease, Parkinson's disease, stroke, schizophrenia, epilepsy, depression, addiction and brain research);

2) a test to identify anatomical and histological structures and functions in human brain and spinal cord specimens and slides.

Following the tests, participants had lunch with current undergraduate and postgraduate students, scientists, and professors, and also had the chance to participate in some interactive demonstrations, including dissections of jelly brains and visual illusions put on by academics from the SWC and Dementia Research Center at UCL. With all of the hands-on activities, the kids learn a lot and met experts in the field, while sharing a fun day with their families and teachers.

After lunch, Dr Martina Bocchetta presented to the participants of the London Brain Bee about her journey and career in neuroscience from high school to PhD student to a Research Associate specialising in neuroimaging and neuroanatomy in dementia at the UCL Dementia Research Centre.

What's more, participants on the day were lucky enough to be audience to Chief Scientific Officer of the Sainsbury Wellcome Centre, Professor Tom Otis, and his presentation on how neuroscientists can learn and understand neurological disease and how they might go about developing treatments to target these disorders.

Qualifying for nationals

The final challenge was a live question-and-answer session for the Top 10 participants who scored the highest in the first two exams. A judging panel comprised of Prof Tom Otis, Chief Scientific Officer at Sainsbury Wellcome Centre, Egzona Xh. Morina, a PhD candidate within the Murray Lab, and Danbee Kim, a PhD candidate within the Intelligent Systems lab of the Sainsbury Wellcome Centre. After an intense session and tie breakers, the winners were finally selected.

The 2018 London Brain Bee Champion is Amy Campbell (Peter Symonds College). Second place went to Sophy Popov (Peter Symonds College) and third place went to Sam O'Connor (home educated).

The winners were awarded neuroscience textbooks, lab internships and a ticket to the next round, the National Brain Bee which will take place in the Nottingham Girls' High School on 10th of April. There the national winner will be selected who will represent the UK in the International Brain Bee Championship. This year's International Brain Bee (IBB) will be hosted by the FENS Forum of Neuroscience in Berlin, Germany between 5-9th July.

"The Brain Bee is an amazing opportunity for budding young scientists and doctors to test their knowledge while also learning more about the brain and nervous system," says Martyna Petrulyte, National Brain Bee coordinator in Scotland and England. "All these young women and men who come to the competition will one day be the future of research and medicine and this competition helps expose them to the wide variety of scientific professions."

Related Links

https://www.flickr.com/gp/martyynyyte/5ZUKD5

https://www.youtube.com/watch?v=7yK7o8TfBgs&t=4s

www.brainbee-uk.com

www.twitter.com/brainbee_uk