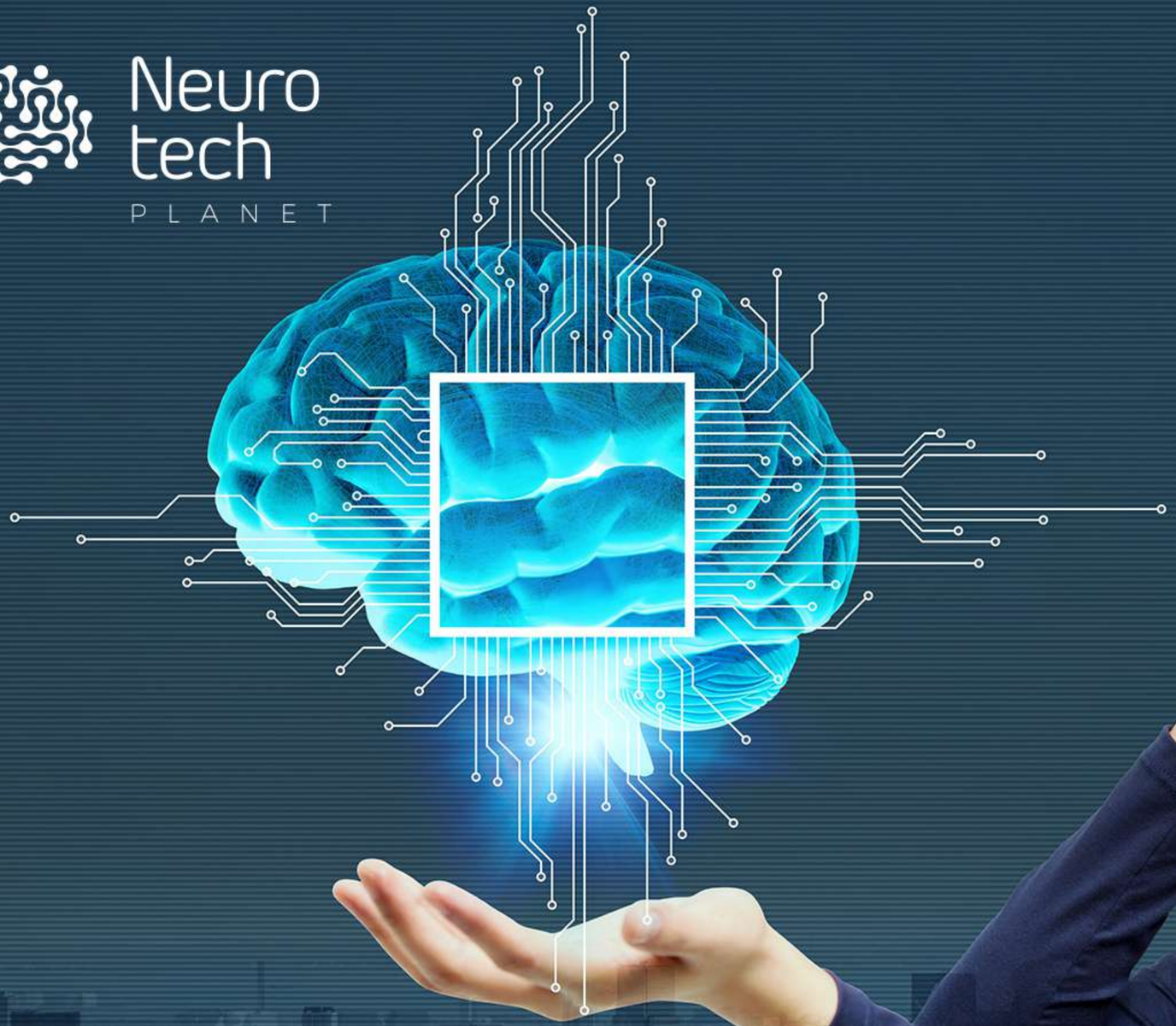
Neuro tech PLANET

INTERNATIONAL CONFERENCE

APRIL 13TH 2024



www.**neurotechplanet**.net

PORTO - PORTUGAL

Dear Reader

Our community is growing and becoming more vibrant every single day. Our ultimate goal is to reach everyone around the world.

At Neurotech Planet you find a global group of like-minded people, and future partners, with new perspectives and an unshakeable hope to improve our current standards. Your collaboration and participation in our events is a key part of our strategy.

On behalf of the entire team of Neurotech Planet, we would like to end this letter with a profoundly sincere “Thank You”... We are honoured to have you with us... Together we will accomplish our most ambitious goals.

Thank you,

Neurotech Planet's Team.

Our Vision

Neurotech Planet provides people around the world the opportunity to hear the most remarkable leaders in the field. Our purpose is to empower everyone to join our efforts, and to provide everyone with the opportunity to learn from the top leaders in the field.

It is our mission not only to educate everyone, but also to serve as a platform where everyone can have an active role on making the future a reality.

It is our goals to inspire and empower each participant to become an active agent. We believe that everyone around the world will be able to have a contribution for our common goals.

Regardless of where each participant lives, we are bringing everyone online, giving everyone the opportunity to participate in changing the current status quo, and giving everyone the opportunity to join this global effort, affordably, easily, and comfortably.

Our mission is to empower everyone to join our goals, by educating, and providing the proper tools for action, as well as by providing orientation and mentorship from the best in the world. We believe we make the world a better place... together...

Neuro tech PLANET

Program Overview

Neurotech PLANET

MORNING (EST Time)

08:30am	REGISTRATION		
08:45am	OPENING SPEECH		
09:00am	TALK CONSCIOUS LABS		Julien Dauguet, Ph.D. VIEW SPEAKER
09:30am	TALK BIONIC VISION TECHNOLOGIES		Ash Attia, Ph.D. VIEW SPEAKER
10:00am	TALK IMPLANTABLE NEURAL INTERFACES		Dorian Haci VIEW SPEAKER
10:30am	TALK ENO		Jacob Flood VIEW SPEAKER

MORNING (EST Time)

11:00am

TALK
NEUROVERSE

Ricardo Gil da Costa, Ph.D.
VIEW SPEAKER

11:30am

TALK
BRAINGRADE

Nick Halper
VIEW SPEAKER

12:00pm

PANEL

Julien Dauguet
VIEW SPEAKER

Jacob Flood
VIEW SPEAKER

Asaf Harel
VIEW SPEAKER

Ash Attia
VIEW SPEAKER

Ricardo Gil da Costa
VIEW SPEAKER

Peter Suma
VIEW SPEAKER

Dorian Haci
VIEW SPEAKER

Nick Halper
VIEW SPEAKER

Giorgio Gaviraghi
VIEW SPEAKER

01:00pm

LUNCH BREAK

Neurotech PLANET

AFTERNOON (EST Time)

01:30pm	PANEL	Giorgio Gaviraghi VIEW SPEAKER Steven A. Garan VIEW SPEAKER Kirill Korotaev VIEW SPEAKER
02:30pm	TALK TEMPER	 Dalton Combs, Ph.D. VIEW SPEAKER
03:00pm	TALK G.TEC	 Christoph Guger, Ph.D. VIEW SPEAKER
03:30pm	TALK @MAAIND	 Martin Dinov, Ph.D. VIEW SPEAKER

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AFTERNOON (EST Time)

04:00pm	TALK EMOTIV		Alicia McCormick VIEW SPEAKER
04:30pm	TALK YNEURO		Thomas D. Semah VIEW SPEAKER
05:00pm	PANEL		Dalton Combs VIEW SPEAKER Alicia McCormick VIEW SPEAKER Bhuvanesh Awasthi VIEW SPEAKER Christoph Guger VIEW SPEAKER Thomas Semah VIEW SPEAKER Hannah Hare VIEW SPEAKER Martin Dinov VIEW SPEAKER Steven A. Garan VIEW SPEAKER
06:00pm	END OF CONFERENCE		

Neuro tech PLANET

Speakers

Ash Attia, Ph.D.

Chief Executive Officer at Bionic Vision Technologies

Ash Attia, PhD, FAICD Ash has more than 30 years of senior executive management experience in implantable devices and biotechnology. Prior to BVT, Ash held the position of Vice President Asia Pacific, the Middle East and Israel, at TransMedics Inc. Ash also held Vice President and Managing Director roles within several other major Australian and International medtech organizations such as Thoratec, St Jude Medical, Micromed, Syncardia, Ventracor, Biotronik, SulzerMedica and Telectronics. Ash has extensive experience in medical technology commercialization, general management, research and development, marketing, market entry strategies, regulatory and reimbursement across multiple geographies (USA, Asia Pacific and Europe). He is also a Fellow of the Australian Institute of Company Directors and has extensive governance experience being a Non-Executive Director on the board of ASX-listed Company DorsaVi for over 10 years.

Qualifications:
- BSc (E.Eng/Med Eng with Honors)
- MSc (Med. Eng)
- PhD (Med. Sc)
- FAICD

Jul 2019 – present
- 30+ years of senior executive management experience in implantable devices and biotechnology.

- Vice President and Managing Director roles with global medical devices organizations including TransMedics, St. Jude Medical, Thoratec, Syncardia,Ventarcor, Biotronik, SulzerMedica, and Telectronics/Nucleus Group.

- Extensive experience in Class III medical devices commercialization including market entry strategies, R&D, Clinical, Regulatory, Reimbursement, General Management and Global Expansion.

Julien Dauguet, Ph.D.

CEO and founder of Conscious Labs

Julien is founder and CEO of Conscious Labs (https://conscious-labs.com), a neurotech company based in France, specializing in the development of a new generation of devices for measuring brain activity. After earning his engineering degree in medical signal processing and his PhD in neuroscience in the field of translational medicine, Julien worked as a researcher at Harvard Medical School where he focused on brain connectivity and child brain development before joining the Paris Imaging Research team at Philips Healthcare. He then obtained a position as a full-time researcher on novel brain imaging technologies for neurodegenerative diseases at the French National Center for Scientific Research. His interest in entrepreneurship led him to head the research team in a parisian medtech before attending the international Startup Leadership Program and founding Conscious Labs with the inspiring vision of taking neurotechnologies out of the lab… Julien is co-inventor of several patents and has authored multiple peer-reviewed journal and conference articles.

Dorian Haci

RAEng Enterprise Fellow and Researcher in Neurotech

Dorian is a RAEng Enterprise Fellow and Researcher in Neurotech, also an electronic engineer and researcher within the Next Generation Neural Interfaces lab at Imperial College London.

With over 6 years of experience in academia, he has developed technical skills and know-how in the fields of neurotechnology, implantable devices, and communication systems, while also pursuing an entrepreneurial path through business courses and enterprise workshops.

He is a cohort member of the Medtech Superconnector, an accelerating program to develop a viable business idea out of a research project, and a committee member of the Imperial Postdoc and Fellow Enterprise Network (IPFEN). Dorian has also been a Program Chair and Social Media Chair at several IEEE conferences and workshops.

His research focused on implantable medical devices for treating neurological conditions, integrated circuits and systems for biomedical applications, and radar biosensing for contactless health monitoring. The projects he is involved in are CANDO (Controlling Abnormal Network Dynamics using Optogenetics), MINT (Micro Implantable Neural Technologies), and Claire Health.

Dalton Combs, Ph.D.

CoFounder & CEO at Temper.

Dalton earned his Ph.D. in NeuroEconomics from the University of Southern California using neuroimaging to study how people make food choices and decision-making in children with ADHD. After grad-school he founded Boundless Mind, an AI company that helped make it easier for app users to set and stick to behavior change plans. While there, he wrote, Digital Behavioral Design, to teach designers how to ethically apply the techniques of behavioral science in their products. He founded Temper to give people more control over the most impactful behaviors in their life – when and what to eat.

Martin Dinov, Ph.D.

CEO and Founder @Maaind.

Martin is the CEO & Founder of Maaind, an AI and neurotech company building a platform for bringing neuroadaptivity at scale in real-world settings. He has a PhD from Imperial College London in neurofeedback and BCIs, MSc in Bioinformatics from King's College London, and BSc in Software and Information Engineering from Vienna University of Technology.

He is a technologist at heart, having studied, built and used neurotechnologies in various settings, having a special interest in EEG, fMRI, neurostimulation and, of course, neuroadaptive interfaces and methodologies.

Thomas D. Semah

Founder & CEO at Yneuro.

Thomas Semah is CEO of Yneuro, a neurotechnology artificial-intelligence startup, which develops an interactive content delivery system based on the measure of brain musical satisfaction (patent filed). Passionate neuroscientist and music composer, Thomas conducted independent research at Stanford University at the intersection of machine learning, digital signal processing, and music information retrieval. Thomas also assisted companies in a variety of industries in the deployment of AI-based technologies.

Yneuro's top-notch engineering team is currently working on the groundbreaking mission to reshape the future of music and entertainment. Yneuro has been named one of Hello Tomorrow's Deep Tech Pioneers and ended as a finalist at the world-leading music startup competition Midemlab 2020.

Thomas is a graduate of the Ecole Centrale Paris engineering school (2016), and he holds an MSc in Financial Engineering from Paris Dauphine University (2015) and an MSc in Biomedical Engineering from ESPCI Paris – PSL (2018). He also completed a Master's Thesis in Neurology & Neurological Sciences at Stanford University (2018).

Nick Halper

Co-Founder at Braingrade

Nick Halper is the co-founder of Braingrade, a neuromodulation company pursuing a therapy for Alzheimer's Disease and eventually general cognitive enhancement.

Nick is a cellular neuroscientist that transitioned into invasive neurotechnologies when he moved to Blackrock Microsystems as an engineer. Through his time at Blackrock, Nick filled roles in engineering, quality, regulatory and marketing before settling into product management at business strategy. In this role, Nick helped diversify the revenue sources of the company, focusing on contract engineering and new medical devices.

Within this business strategy role, Nick helped consult several academic groups from the lab bench into their first clinical trials. He is excited to help guide Braingrade to the same goal.

Ricardo Gil da Costa, Ph.D.

C.E.O. Neuroverse, Inc. Creating the future of Brain Interfaces.

Neuroverse's C.E.O., Dr. Gil-da-Costa holds B.S. and M.S. degrees in Biology, and a Ph.D. in Cognitive Neurosciences – Biomedical Sciences. For the last 19 years, his pursuit of how the mind and brain work led him to behavioral field studies in Africa and Central America and neurophysiology laboratory research from Harvard University to the National Institutes of Health, where for 5 years he held a double affiliation at the National Institute of Mental Health and the National Institute on Deafness and Other Communication Disorders. His research has been distinguished with multiple awards, such as the Donald B. Lindsley Prize for Behavioral Neuroscience, featured in Nature Neuroscience and selected for the Society for Neuroscience 2012 Hot Topics List. Altogether, his research has contributed seminal findings on the evolutionary and neural foundations of human cognition and language, which are now incorporated in neurosciences reference textbooks and university curriculae. In the last 10 years, Dr. Gil-da-Costa's work has focused on translational research, developing novel brain imaging methods and brain-machine interfaces. First at the Salk Institute for Biological Studies, where these endeavors led to the development of several US patents and to co-founding Neuroverse. Dr. Gil-da-Costa is a reviewer for a wide variety of scientific journals and a science advisor for the Science and Entertainment Exchange, a program of the National Academy of Sciences, and for the National Academies Keck Future Initiatives, participating in the authorship of the interdisciplinary research team report on brain-computer interfaces, integrated in the volume "The Informed Brain in a Digital World".

Alicia McCormick

Director of Research for Emotiv.

Alicia is the Director of Research for Emotiv. With a background in neuroscience and a passion for bringing scientific research, people and technology together, Alicia runs the research efforts of the company for both internal and external research projects. Working alongside EMOTIV CTO and co-founder Geoff Mackellar in Sydney, Australia, Alicia has scanned the brains of countless participants with EMOTIVs award winning mobile EEG headsets.

She is currently working on the ongoing development of EMOTIVs Performance Metrics; designing and implementing experiments that enable us to understand the brain on attention, stress, positive/negative valence, meditation and engagement – to name a few. She works alongside EMOTIV's data scientists and machine learning team to drive the creation of algorithms that allow anyone with an EMOTIV headset to understand their mental state in real time without the need to read complex EEG patterns.

Alicia also leads some of EMOTIV's external research projects; working with DELL Technologies to discover the extent your brain gets stressed and productivity suffers with pesky tech failures, investigating the beneficial effects of exercise on cognitive performance with ASICS and tracking enhanced audience engagement and attention during presentations using the Mentimeter platform.

In her time outside of work, ironically, Alicia likes to disconnect from technology and get outside – spending time surfing, playing sports or camping.

Jacob Flood

Founder & CEO at Eno.

Jacob is the Founder & CEO at Eno, a company headquartered in Montreal, Quebec, Canada working on neurotechnologies. He is also the Founder & CEO of the company Nameeno, a company that Raised $1.3M+ on Kickstarter, and Partnered with ONKYO. Also he is an author, and wrote the book: Study Smart: How to Get Amazing Grades with Minimal Effort.

Peter Suma

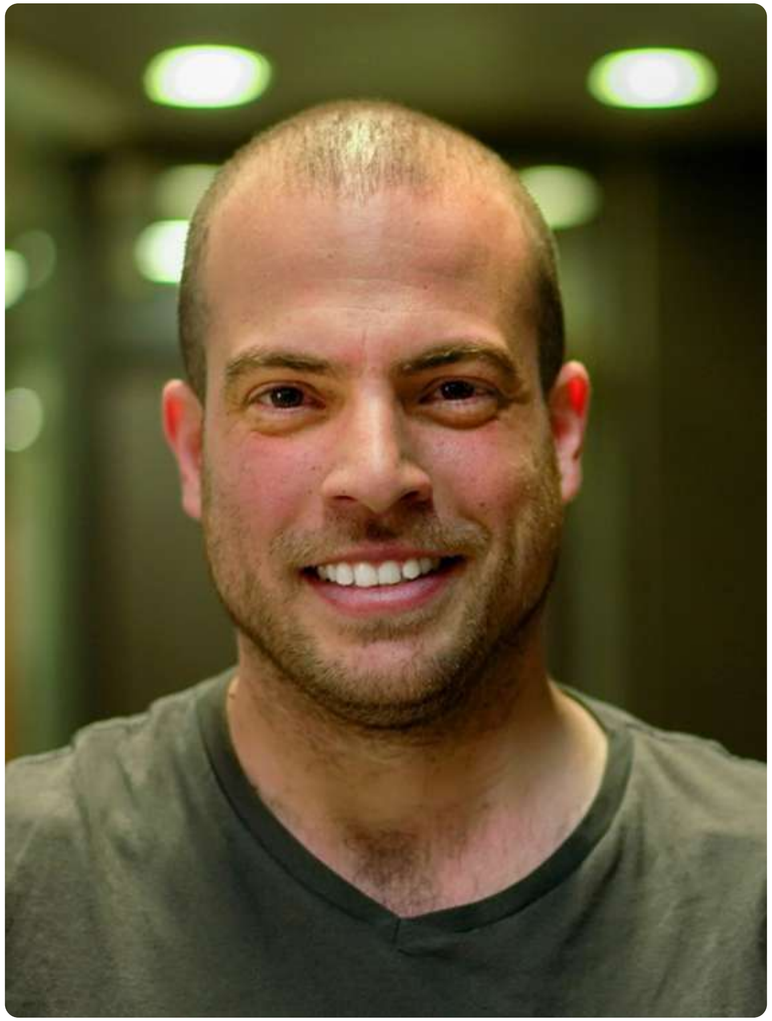
Entrepreneur, CEO & Venture Capitalist

Peter is Chairman and Co-CEO of Applied Brain Research Inc. (ABR). Peter co-founded ABR with a team of computational neuroscientists from the University of Waterloo's Centre for Theoretical Neuroscience. Applied Brain Research Inc. is one of the world's leading neuromorphic software companies. Peter's research interests are in cortical algorithms and complex neuron response models for implementing advanced AI networks. He works at the intersection of AI and venture capital.

Christoph Guger, Ph.D.

g.tec Co-founder.

Guger Christoph studied electrical and biomedical engineering at the University of Technology Graz in Austria and Johns Hopkins University in the USA and received his PhD in 1999. In 1999 he started the company g.tec which was now branches in Austria, Spain, the USA and Hong Kong. g.tec produces high-quality neurotechnology and real-time brain computer interfaces for the research, medical and consumer market. The company is active in many international research projects about brain-computer interfacing, neuromodulation, stroke rehabilitation, assessment and communication with patients with disorders of consciousness and high-gamma mapping in epilepsy and tumor patients.



Asaf Harel

Chairman Of The Board at BrainstormIL.

Asaf Harel is the head of BrainstormIL, a national non-profit organization in Israel that aims to advance Israel's Neurotech sector. The organization seeks to connect the main pillars of the Neurotech ecosystem, comprising the academic, industry, finance, non-profit, and medical sectors. With an honorable discharge after a 15-year career in the Israeli Air Force, Asaf completed a Masters in Computational Cognition exploring non-linear biomarkers (complexity and criticality) of declining cognitive capabilities arising from sleep deprivation and correlates of conscious perception. Asaf is currently pursuing a Doctorate in Computational Neuroscience in Dr. Oren Shriki's lab, with the main research thrust of accelerating the information transfer rate of visually evoked potentials (VEP) based brain-computer interfaces in healthy and clinical populations. Furthermore, Asaf is the co-manager of BCI-4-ALS, a multi-institute academic course set to teach students how to develop a brain-computer interface and customize it to individual ALS patients.

Bhuvanesh Awasthi, Ph.D.

Cognitive scientist.

Dr Bhuvanesh Awasthi is a cognitive neuroscientist with particular research focus on mechanistic and functional accounts of perception, emotion and decision-making in humans using neuroimaging, neurostimulation and behavioural methods.

As a scientist, he has worked across organisations in North America (USA, Canada), Europe (UK, Denmark, Russia), Asia (China, India) and Australia. His early training was in Life sciences from the University of Pune, a Consciousness Studies Masters from BITS Pilani and a PhD from Sydney, Australia.

He is currently the Director for Research and Training at Orange Neurosciences, Canada, a growth stage EdTech and digital healthcare company. Based on neuroplasticity principles, he focuses on Artificial Intelligence and Machine Learning enabled cognitive training technologies to improve visual, auditory, cognitive learning and executive functioning skills in neurodiverse populations.

Giorgio Gaviraghi

Founder and CEO of EDL.

Giorgio Gaviraghi received his Architectural degree from the Milan Polytechnic. He has since taken part in a number of graduate courses in management , marketing and design in several major universities.

At first as Project Architect, later as Project Manager , where he was responsible to deal with international projects for the Austin Co. an international design and construction copny, he has built a distinguisble career across the globe He has acted as CEO for international companies operating in Eurpe, the US, Latin America and the Middle East in the field of design and construction, aerospace facilities , real estate and touristic resorts development.

In several capacities he was responsible for major initiatives , some worth over 5$US, such as the design and project manangement for the recosntruction of thousands of buildings dmaged by the Friuli earthquake, an aerospace facility for for commercial aircraft final assembly for Aeritalia – Boeing, an aircraft overhauling facility for HAI in Greece, advanced testing facilities for SDI initiative in the US, high rises buildings in New York, several touristic resorts in Sardinia and the Red Sea region.

An achiever of international competitions in innovative products and systems for industrial design. Giorgio has specislized in space architecture for advanced propjects and proposals for major space agencies.Winning as tutor for college and high school students over 18 prizes in international space settlements and space related projects.

Partner of the MAAT project consortium for revolutionary airship -based air transportation system sponsored by the EU.Founder of the Star Voyager organization for the advancement of space development and interstellar travel.

Founder and CEO of edl (exponential design lab) in Latin America specialized in adavanced and global projects.Author of over 80 papers ranging from space, transportation, city planning , design and other topics , including authoring articles and books , the latter Global Challenges.by Lambert Pub.

Delivered several courses at universities in Eurpe and latin America. Actually professor at UFMT in Brazil , teaching Exponential Creativity a disruptive post graduate course.

Steven A. Garan, Ph.D.

Director of Bioinformatics at CREA and serves on it's Advisory Board.

Steven A. Garan is the Director of Bioinformatics at CREA and serves on it's Advisory Board, he is also a researcher at the Lawrence Berkeley National Laboratory. While at the University of California, Berkeley, he played a major role in the invention and the development of the Automated Imaging Microscope System (AIMS). While at UC Berkeley, Garan collaborated for many years with a group from Paola S. Timiras's lab, on the role that caloric restriction plays in maintaining estrogen receptor-alpha and IGH-1 receptor immunoreactivity in various nuclei of the mouse hypothalamus. Garan was also the director of the Aging Research Centre, and is a leading scientist in the field of aging research. His numerous publications, include articles on systems biology, the effects of caloric restriction on the mouse hypothalamus and on the Automated Imaging Microscope System (AIMS). He is best known for the coining of word "Phenomics", which was defined in an abstract titled: "Phenomics: a new direction for the study of neuroendocrine aging", that was published in the journal Experimental Gerontology.

Steven A. Garan, was the lead scientists that developed the AIMS system along with Warren Freitag, Jason Neudorf and members of the UC Berkeley lab where AIMS was developed and utilized. Many journals articles have been published about the system and the results that it produced. Since the completion of the first version in 1998, newer versions were developed, with the final version being completed in 2007. Empowering investigators to accurately count specific cell populations is essential to all fields of neurobiology. While computer assisted counting technology has been in use for over a decade, advances in an Automated Imaging Microscope System (AIMS), now insure 97% accuracy when comparing computer counts to human counts for both nuclear and cytoplasmic stained tissue. More importantly, regional analysis can now be customized so that only cell populations within specified anatomic regions will be targeted for counting, thus reducing the background noise of non-immunoreactive cells when characterizing specific cell populations. This application was recently used to successfully map the density and distribution of both nuclear expressed estrogen receptor-alpha and cytoplasmicly expressed IGF-1 receptor in specific hypothalamic nuclei. Furthermore, AIMS can now detect intra-hypothalamic differences in receptor expression and measure phenomenon such as lateralization. By using this technology, the evaluation of tissue-level biology can be used to establish neuroendocrine biomarkers of aging, and analyze the neuroendocrine effects of caloric restriction and gene knockout models that extend the lifespan.

Nuno Martins, Ph.D.

Polymath, researcher, entrepreneur, and a healthy life extension advocate.

Nuno is a polymath, a researcher, an entrepreneur, and a life and health extension advocate. As a polymath, he usually likes to make use of different subject areas, drawing ideas and concepts from different bodies of knowledge to solve specific problems.

As an illustrative example, his published papers involve several fields of research, for example: quantitative neuroscience, computer science, nanotechnology, robotics, and others. Several previous education experiences have supported and nurtured his polymath approach to problems. As a researcher, he is interested in any scientific, engineering, or technological development with potential applications or consequences for healthy life extension. Along these lines, he is currently a focused on developing technologies for human healthy life extension.

In business, he created his own company to fund his education. Along the way, several academic awards and grants contributed to his necessary funding strategy. The growth of his original company permitted him to create a business group embracing a set of different companies that operate in a large spectrum of business sectors, including: business consulting, education, information technologies, healthcare services, online sales, and several others.

On life extension related topics, early in his life, motivated to take control of his own health he decided to make several courses related to health-care, body training and nutrition. Thus, he completed several courses related to life and health care, for example, he is a swimming teacher, a professional tennis teacher, a body-building and aero- fitness teacher, a power-lifting professor, and he completed also several courses in nutrition and sleep optimization.

As public speaker Nuno participates in conferences and meeting providing high quality professional presentations in his style. One of Nuno's public appearances was on a groundbreaking large conference (attended by approximately one thousand attendees), where Nuno presented along with amazing celebrities, such as: the visionary billionaire Peter Nygard, the always inspiring Suzanne Somers, and the famous futurist Ray Kurzweil, among many other celebrities... Nuno makes easy the understanding of technical challenging subjects , making accessible to the general audience the most difficult problems.

Hannah Hare, Ph.D.

Neural Interfaces | Health Technology | Hardware Development

Dr. Hannah Hare leads the Neurotechnology team at TTP, Europe's largest independent deep tech consultancy. She develops new ideas from initial technical feasibility through to product integration, balancing the complexities of technology development with the realities of healthcare businesses. Hannah has developed clinical technologies for household names as well as contributing to the success of ambitious start-ups. With a Master's degree in Physics and a Ph.D. in Clinical Neurosciences from the University of Oxford, she specialises in the areas of Neurotechnology and Smart Implants.

TTP (The Technology Partnership) is an independent technology company where scientists and engineers collaborate to invent, design and develop new products and technologies. With a 30-year history of invention, our multidisciplinary teams are able to deliver across the scope of a project, from research through to ideas, design, engineering and manufacture. TTP's state-of-the-art technical facilities are part of Europe's largest technology hub in Cambridge, UK. Here, we work across a wide spectrum of industries – including health, telecoms, industrials and consumer – to create breakthrough solutions that bring strong commercial value to clients and the benefits of technology to all.

Kirill Korotaev

Co-Founder & CEO at Purple Gaze | AI-Powered Eye Tracking

In 2015, Kirill left his corporate job in marketing. He decided that in order to maximize his impact on the world he should either study neuroscience to boost our understanding of the human brain or learn programming to contribute to the development of AI.

He ended up enrolling in Cognitive Sciences & Technologies master's program at the HSE University in Moscow where he got an opportunity to engage in both: use neuroimaging techniques such as fMRI and TMS to collect the data from the brain and build Deep Neural Networks to model the visual cortex.

Today Kirill is the Co-Founder & CEO of Purple Gaze, an Amsterdam-based startup that leverages Eye Tracking and AI to identify biomarkers of brain disorders in the patterns of eye movements data.

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Ticket Options

Neurotech PLANET

ONLINE

€159

Buy Ticket Now

- Access to all conference talks
- Access to all panels
- Meet other attendees
- Explore all livestream topics covering current biggest trends
- Network and connect with our speakers and participants
- Upskill through our experts knowledge
- Make valuable connections within our global network
- Meet the world's most exciting companies in the space

ESSENCIAL

€745

Buy Ticket Now

- Full access to all talks
- Full access to all panels of debate
- Full access to Expo Area

VIP

€1230

Buy Ticket Now

- Full access to all talks
- Full access to all panels of debate
- Full access to Expo Area
- **VIP** seating
- Access to Event Platform Premium section

PREMIUM

€2460

Buy Ticket Now

- Full access to all talks
- Full access to all panels of debate
- Full access to Expo Area
- **PREMIUM** seating
- Access to Event Platform Premium section
- Pen Drive (with Full-Event Recording with all talks and panels)
- **Networking with speakers** (including lunch with speakers and private introduction)

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