

BEB DAY 2024

INVITED SPEAKERS

May 15th, Morning



MARIANGEL NATALE (PHD)

FORMER SCIENTIST AT CELLMABS, BEB ALUMNI

The power of innovation

Dr. Mariangela Natale, BEB *alumni* is a scientist and innovative R&D professional, that previously worked at CellmAbs, a Portuguese spin off from NOVA University.

Her commitment to science and innovation contributed to the development of a novel antibody therapeutic patent, recently resulting in a licensing agreement with BioNTech.



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ANTHONY NEWMAN (PHD)

ELSEVIER

Uses of AI in publishing: what to do, and what not to do!

Dr. Anthony Newman is a polymer chemist and has been a Senior Publisher with Elsevier. He has also been the marketing communications manager for the biochemistry journals of Elsevier.

Newman has presented more than 1000 various author, researcher, and ethics workshops over the past 20 years both virtually and in person, at universities, conferences, and societies gatherings in many parts of the world.



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JOHN IOANNIDIS

STANFORD UNIVERSITY

AI use in biomedical research: methods, transparency, limitations, and ethics

John Ioannidis, MD, DSc is Professor of Medicine, of Epidemiology and Population Health and (by courtesy) of Biomedical Data Science, and of Statistics and co-Director of the Meta-Research Innovation Center at Stanford (METRICS) at Stanford University.

He is the recipient of many awards and honorary doctorates, and he is a member of many academies and honorific societies in the USA and Europe.

His work aims to improve research methods and to enhance approaches to integrating information and generating reliable evidence.



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CECILIA LUNDBERG

LUND UNIVERSITY

New insights and novel methods in real time: examples from development of *in vivo* gene therapy for Parkinson's disease

Dr. Cecilia Lundberg defended her thesis on gene transfer to the CNS, in 1996 supervised by Prof Anders Björklund at Lund University, Sweden. She did her post-doctoral studies at Harvard Medical School in Prof Richard Mulligan's lab in Boston, USA. In 1999 she went back to Lund and started her own research group developing gene transfer vectors for use in the CNS. In 2010, she was awarded full professorship and continues to work on gene therapy to the brain.



BEB DAY 2024

INVITED SPEAKERS

May 15th, Afternoon

LUÍS SOARES BARBOSA (PHD)

UNIVERSITY OF MINHO

What is quantum computing and why we should care



Dr. Luís Barbosa is full professor in Computer Science at University of Minho, and a senior researcher at the High Assurance Software Laboratory, INESC TEC.

His research, mainly framed in coalgebra and modal logic, explores connections between Physics and Computation. In 2019 he joined the International Iberian Nanotechnology Laboratory, integrating the Quantum Linear Optics and Computing Group.



BEB DAY 2024

INVITED SPEAKERS

May 15th, Afternoon

JOEL P. ARRAIS (PHD)

DEPT. INFORMATICS ENGINEERING (FACULTY OF SCIENCES AND TECHNOLOGY OF THE UNIVERSITY OF COIMBRA)

Artificial intelligence for biomedical discovery



Dr. Joel P. Arrais is an Associate Professor at the Department of Informatics Engineering, University of Coimbra, and a Researcher at the Centre for Informatics and Systems of the University of Coimbra (CISUC).

He is a leading computer scientist specializing in Deep Learning applied to Computational Biology and Bioinformatics with special focus on Deep Generative models for Drug Discovery.



BEB DAY 2024

INVITED SPEAKERS

May 16th, Morning



GIOVANNI E. MANN (PHD)

KING'S COLLEGE LONDON

Roadblocks for clinical translation: importance of physiological O2 levels for high throughput screening of therapeutics in live cell models

Prof. Giovanni E. Mann is a professor of Vascular Physiology and an International Lead for the School of Cardiovascular and Metabolic Medicine & Sciences at King's College, London.

His research focus is in investigating signaling cascades involved in the transcriptional activation of antioxidant defence genes in endothelial and smooth muscle cells in oxidative stress, associated with diseases such as ischemic stroke, atherosclerosis and gestational diabetes.



BEB DAY 2024

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GEORGE PAPAMICHAIL (PHD)

FOUNDATION FOR RESEARCH AND TECHNOLOGY (FORTH)

From research-driven innovation to academic entrepreneurship

Dr. George Papamichail is a Greek social scientist with 20 years of experience in the field of Science, Technology, and Innovation Studies.

His research interests and professional experience focus on start-up and spin-off creation, innovation management and IPR, as well as, on regional innovation policies.



SOCIEDADE PORTUGUESA DE QUÍMICA



BEB DAY 2024

INVITED SPEAKERS

May 16th, Morning



CRISTINA SIMÕES (PHD)

HISEEDTECH

Building bridges: integrating science with market demand

Dr. Cristina Simões is a consultant in strategy and business development, primarily in Deep Tech projects.

She is a founding member of HiSeedTech and serves as an advisor for the HiTech program, as well as a partner and CFO of HCP, Lda. She is a coach in the European program BlueInvest and a non-executive director at Grupo Almedina.



BEB DAY 2024

PAUSA + ATIVA - DESPORTO UC

May 16th, Afternoon



RAFAEL RODRIGUES (PHD)

MONITOR

Desporto UC's Collaborator , Estádio
Universitário da Universidade de Coimbra

- Ph.D. Sports Science
- M.Sc. Psychology of Development and Learning
- Bsc. Exercise and Wellness
- American College of Sports Medicine Certified
- European College of Sports Science Member

