

International Talks Innovation in Healthcare



Dr. Adel Elmaghraby

Director of Research and Innovation. Science and Engineering Department. University of (USA)

Adel S. Elmaghraby is the Winnia Professor of Computer Science and Engineering, Director of Industrial Research and Innovation at the Speed School of Engineering, Director of Research and Innovation for the University of Louisville Digital Transformation Center. He has also held appointments at the Software Engineering Institute, Carnegie-Mellon University, and the University of Wisconsin-Madison. He supervised 60 Master's graduates and 30 Doctoral graduates. His research contributions and consulting spans the areas of Intelligent Multimedia Systems, Machine Learning, High Performance Computing, Visualization, and Simulation. His research applications include Smart Cities, Data Analytics, Medical Imaging, and e-Health. He is a well-published author, a public speaker, member of editorial boards, and technical reviewer.



Masterclass information:

Contact:

Begoña García-Zapiráin
Professor at Faculty of Engineering
mbgarciazapi@deusto.es



3rd October, 2022



14:30 CET

International Talks Getting to know the MedTech industry



Andrés Gola Isasi

Senior Consultant at PharmaBioServ



Andrés is a life science professional with over 10 years of experience holding several quality positions within well-known multi-nationals such as Johnson and Johnson and Becton Dickinson. He currently works as Senior Consultant at PharmaBioServ (consulting firm based in USA) providing support on quality assurance, continuous improvement, project management and regulatory compliance to biotechnological, medical devices pharmaceutical companies located in the Americas, EU, Switzerland, Turkey, and Israel.

Masterclass information:



21st October, 2022



11:30 CET

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International Talks

Deciphering emergent patterns of single-cell motility



Dr. Jude M. Phillip

Assistant Professor of Biomedical Engineering
at Johns Hopkins University

Dr. Jude M. Phillip is an Assistant Professor of Biomedical Engineering, with a secondary appointment in Chemical & Biomolecular Engineering, Oncology, and is a core member in the Institute for Nanobiotechnology (INBT) at Johns Hopkins University. His lab studies biological ageing dynamics in the context of health and disease. He combines fundamental engineering approaches with translational ageing and oncology research to develop strategies and technologies to probe ageing and identify mechanisms to modify ageing trajectories in humans. Dr. Phillip has a Bachelor of Engineering degree in Chemical engineering from the City College of New York, a PhD in Chemical and Biomolecular Engineering from Johns Hopkins University, and he completed his postdoctoral work at Weil Cornell Medicine with a focus on hematological malignancies.



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November 7th 2022



14:30 CET

International Talks

Soft robotic devices for minimally invasive surgery (MIS)



Mark Runciman

Researcher, Imperial College London



Mark Runciman is a creative, driven and enthusiastic researcher studying the use of soft robotics in minimally invasive surgery. His PhD thesis was focused on creating patient-specific soft robotic devices for minimally invasive cancer therapy in the lower gastrointestinal tract. Faced with the significant design constraints associated with the target anatomy, He developed novel, soft actuators capable of open loop position control and collision detection.

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March 17, 2023



13:45

International Talks

Find out how a biotechnological company works



Asier Albizu
Chief Executive
Officer Of BIOLAN

Larraitz Añorga
Chief Executive Office
Of BIOLAN HEALTH

Asier Albizu, CEO of BIOLAN Microbiosensores SL, a biotechnology company focused on food control. Agricultural Engineer and MBA with extensive experience in the executive management of technological start-ups. Since 2009 he has been in charge of the General Management of BIOLAN, of which he is the founder, and since 2014 he is also immersed in the health sector, with the launch of the subsidiary BIOLAN HEALTH, of which he is now President, and which is focused on the medical devices segment. Since June 2022 he is the President of the Basque Health Cluster, Member of the Board of Trustees of the Tekniker Foundation, member of the CiC BIOGUNE, and promoter and leader of OSASUNBERRI, a collaborative initiative to strengthen the Km0 health sector.

Larraitz Añorga, Scientific Director and CEO of BIOLAN HEALTH, a subsidiary of BIOLAN Microbiosensores SL, focused on the development of diagnostic devices for health, based on enzymatic biosensors and immunoassays. PhD in Biological Sciences from the University of Navarra, having developed her doctoral thesis at the Microelectronics and Microsystems Unit of CEIT. In February 2011 she joined the Materials Department of CIDETEC, and since June 2014 she has been the Head of the Sensors Unit. In 2019 she joined the BIOLAN Group to lead the health business division.



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March 10 th, 2023



11:10 -13:00
CET

International Talks

BME at the University of Louisville

Prof. Adel Elmaghraby

Director of Industrial Research



Adel S. Elmaghraby is a Winnia Professor of Computer Science and Engineering, Director of Industrial Research and Innovation at the Speed School of Engineering, Director of Research and Innovation for the University of Louisville Digital Transformation Center. He has also held appointments at the Software Engineering Institute, Carnegie-Mellon University, and the University of Wisconsin-Madison. He supervised 60 Master 's graduates and 30 Doctoral graduates. His research contributions and consulting spans the areas of Intelligent Multimedia Systems, Machine Learning, High Performance Computing, Visualization, and Simulation. His research applications include Smart Cities, Data Analytics, Medical Imaging, and e-Health. He is a well-published author, a public speaker, member of editorial boards, and technical reviewer.



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Masterclass information:



March 20th, 2023



12h30

International Talks

A Closer Look at Dräger's Electromedicine Team



Rosana Herrero

MVS Project
Manager

Ignacio Rico

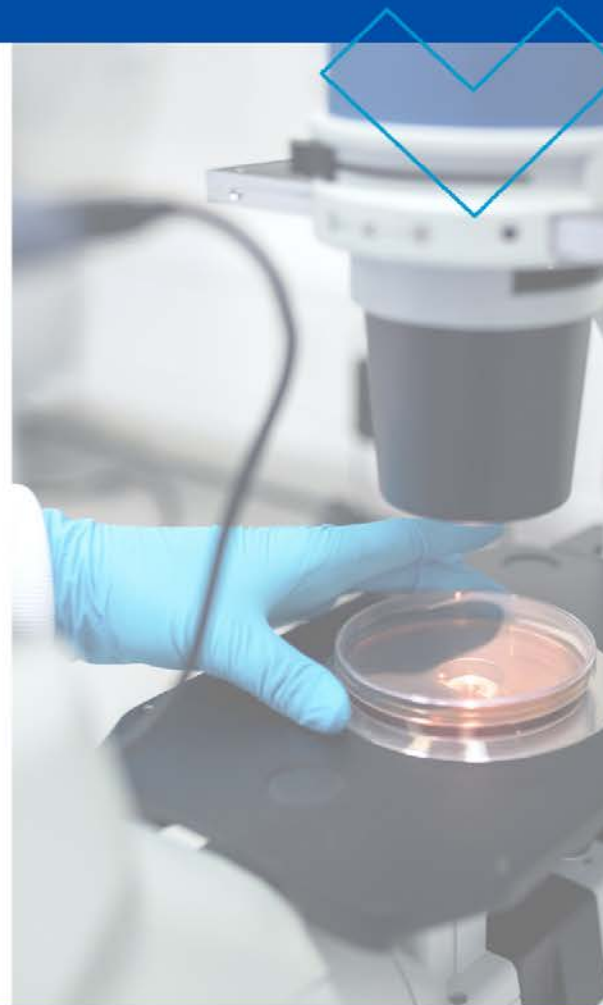
Talent Acquisition
Manager Iberia

Dräger manufactures medical and safety technology products. In so doing, we protect, support, and save people's lives around the world in hospitals, with fire departments, emergency services, authorities, and in mining as well as industry. Founded in Lübeck in 1889, Dräger has grown into a worldwide, listed enterprise in its fifth generation as a family-run business. Dräger has more than 16,000 employees worldwide and is present in over 190 countries around the globe. In 2022, the company generated net sales of EUR 3 billion.

Dräger technology is used all over the world. We operate in around 50 countries with our own sales and service companies directly on location where our customers are.

Rosana Herrero is an Industrial Engineer with 23 years of experience in the Health Sector, she has achieved technical and management functions in the Rioja Health Service, the Cantabrian Service, the Aragonese Service.

Ignacio Rico will also accompany us as the manager of the Talent Acquisition team in Iberia and as a representative of the Human Resources department.



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March 29th, 2023



16:55 - 17:15
17:15 - 17:35

International Talks

Ambulatory Assessment: taking a real-life, real-time and contextual perspective on human (mental) health



Markus Reichert

Asst. Professor at Ruhr University
Bochum, Germany



Markus Reichert and his team investigate the behavioral and neural mechanisms that are involved in humans' everyday-life physical behavior (e.g., stair-climbing, jogging), especially in the context of well-being and mental health. To research these domains, his team draws from an interdisciplinary approach combining methods from neuroscience, sport science, ambulatory assessment, geoinformatics, and epidemiology. This enables to capture psychological mechanisms in real-life using an ecological valid assessment and taking contextual influences into account (e.g., via electronic diaries on smartphones; via mobile accelerometers, electrocardiography, and glucose sensors; via smartphone sensing, including geolocation tracking).



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27/02/2024

Room 306



1p.m. CET

International Talks

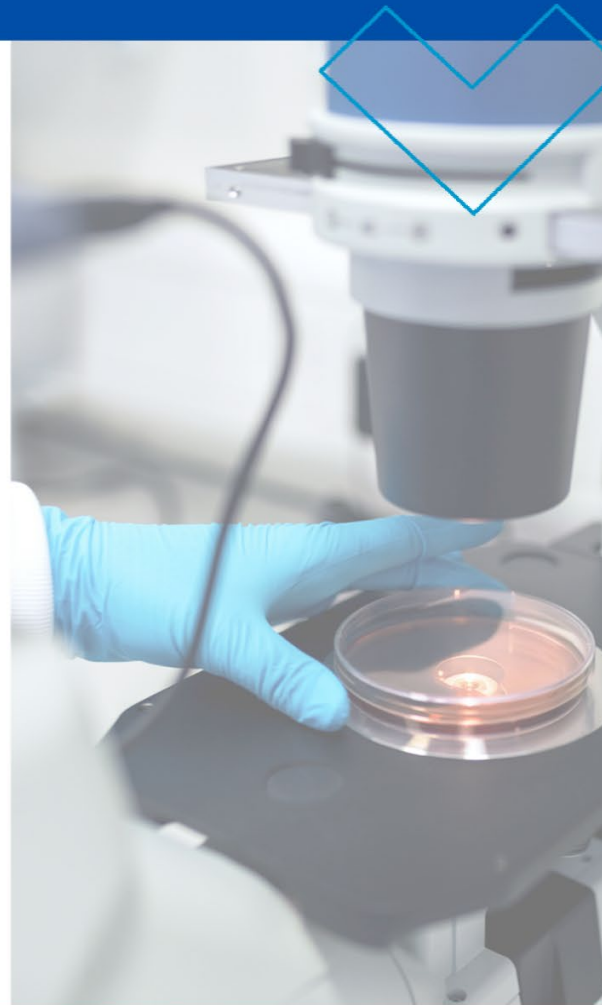
Personalized Neurorehabilitation after Stroke using Machine Learning and Neuroimaging

Iñigo Tellaetxe Elorriaga

PhD Student at the Computational Neuroimaging
Laboratory in Biobizkaia HRI



Iñigo Tellaetxe Elorriaga, PhD Student in the Biomedical Research doctorate program of the University of the Basque Country, started his research journey during his undergraduate studies in Biomedical Engineering in Mondragon Unibertsitatea, with an IKASIKER grant from the Education Department of the Basque Government. He finished his BSc in 2021 and got into the Biomedical Technologies Masters Degree in MU, where he specialized in data analysis, machine learning, and biomedical imaging. From October 2022 to September 2023, he was part of Cyber Surgery S.L, developing methods to create synthetic CT thoracic images from MRI to reduce ionizing radiation in spinal surgery patients. From September 2023 to the present he has been working on his PhD, focused on age modelling using machine learning, where the goal is to find the lifestyle factors that contribute to healthy aging in the brain and other organ systems.



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May 23th 2024



10:00 CET

International Talks

“Yes, Artificial Intelligence can predict your age!”

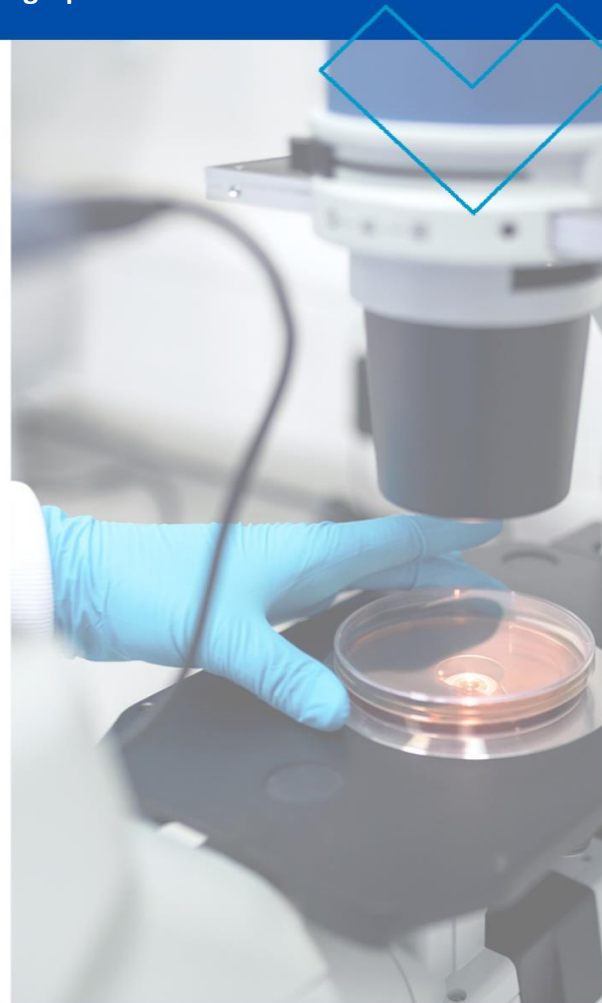
Jorge García Condado

PhD student ML for Healthcare | "La Caixa"
Doctoral INPhINIT Fellow | MEng University of
Cambridge | AI4MED Founder



Jorge García Condado is a computer engineer and bioengineer graduated from Cambridge University. He is passionate about artificial intelligence and wants to bridge the gap between engineering and medicine to help revolutionize the health sector. He is currently a PhD student at Biocruces Bizkaia as a 'La Caixa' Doctoral INPhINIT fellow in the computational neuroimaging group of Dr. Jesús M Cortes. His previous research experience has been developed in the UK (University of Cambridge) and in Spain (Centro Nacional de Biotecnología and Universidad Carlos III).

He is also the president and founder of AI4MED, the society for artificial intelligence in medicine. They work to bring together engineers and healthcare professionals to integrate AI into the healthcare system.



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October 23 th 2024



13:00 CET

International Talks

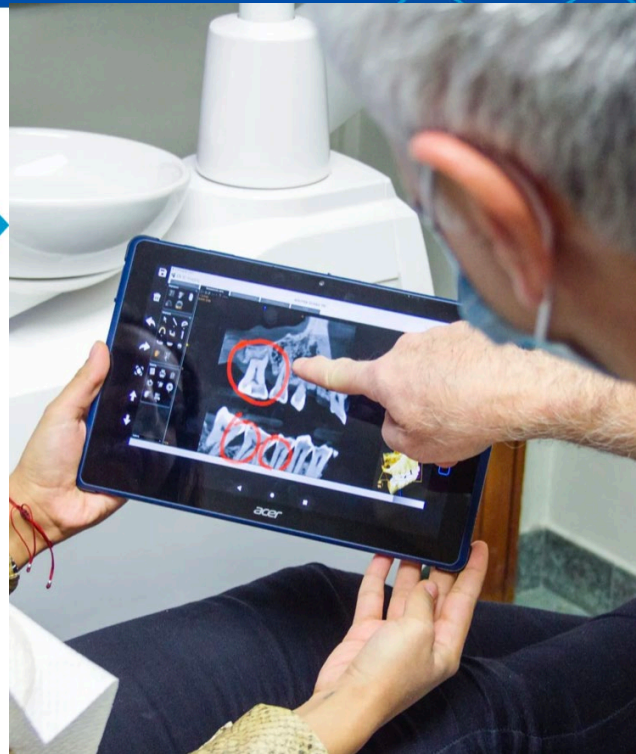
Avances en Radiología y Práctica Clínica



Médico traumatólogo en Osakidetza y en el ámbito privado durante 40 años, los últimos quince como Jefe de Sección de la Unidad de Artroscopia del Hospital de Galdakao. Actualmente retirado, colabora en actividades de peritación médica.

Dr. Daniel Garay

Especialista en Cirugía Ortopédica y Traumatología
Master en Valoración y Baremación del Daño Corporal



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October 23rd, 2024



9h15 - 3 ING BIO
10h00 - 2 ING BIO

International Talks

The ecosystem of the biohealth sector in the Basque Country



Mikaela Olaizola



Project Manager at the Basque Health Cluster (BHC).

Degree on Biomedical Engineering and Master on Project Management.



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October 2, 2024



10h00

Turing Room (2nd floor, near BIOTECH)