

LIST OF TEACHERS
AND TUTORS
MSc Biobanks & Complex
Data Management

HUMAN BOOK²⁰²¹

BIOBANKS
& COMPLEX DATA
MANAGEMENT





PROGRAM STEERING COMMITTEE



“ Modern biobanks require some new generation of biobankers to assimilate a variety of aspects on how using bioresources for research projects. ”

DIRECTOR: PROFESSOR PAUL HOFMAN

Director of the MSc Biobank and Complex Data Management.

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Thus, in addition to the essential management of the pre analytical steps from collecting the samples to the stockage and securisation, the development of new technologies, such as next generation sequencing from tissue and liquid biopsies for example, the use of multiplexing immunochemical techniques, of proteomics and of metabolomics have lead biobankers to become expert in many different domains. These domains include various area of the biology, but also knowledge in legal and ethic issues when using samples for research, in biobankonomics for getting a sustainable business model, in security for the protection of the health care workers, in bioinformatic and statistical analysis and in big data evaluation. So the MSc Biobanks and Complex Data Management provides a unique educational training in the World, thanks to a strong team of experts and some well known international teachers coming from many countries from Europe and from USA and Canada. It is a real honour for us to have such a great number of expert teachers and a chance for our students. I strongly believe that thanks to the high level of this educational program, the students of our MSc will be nice futur managers of the next biobanks 3.0.

DEPUTY DIRECTORS



NICOLE ARRIGHI

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Nicole ARRIGHI studied the characterization of fibro-adipogenic progenitors in human skeletal muscle at Doctor Dani's lab "Stem Cells and Differentiation", Biology Institute of Valrose, Nice, France. Her courses are focused on biotechnology in the Life Sciences department, Bachelor's degree (1st and 2nd year) and in Bioengineering School Polytech Nice Sophia (Master's level).



ELODIE LONG-MIRA

MD, PhD Clinical and molecular pathologist.
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Elodie LONG-MIRA is a clinical and molecular pathologist, working at the Clinical and Experimental Pathology Laboratory, CHU de Nice, in the field of lung cancer and melanoma. She obtained a MD and a PhD degree at the University of Nice Sophia Antipolis (France), in 2010 and 2016 respectively. She is also a university lecturer at the Medical Faculty, Côte d'Azur University. Her courses are essentially focused on embryology and histology in the first year of medical studies. She is a member of the team 3 IRCAN (Inserm U1081/UMR CNRS 7284) and is responsible of the melanoma collection of the Nice Hospital-related Biobank, Pasteur Hospital.



MARIUS ILIE

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Marius ILIE is a certified-board pathologist, Professor of Pathology at the Clinical and Experimental Pathology Laboratory, CHU de Nice, Faculté de Médecine de Nice, Université Côte d'Azur. He is a member of the Scientific Advisory Board of the Hospital-related Biobank, Pasteur Hospital, Nice. He has responsibility for the day-to-day running of the Nice Biobank as well as management of several projects with industry partners. He has a long standing interest and expertise in the area of biobanking and sample management and has contributed to numerous publications in the field of biomedical research and also biorepository science.



ARIANE CAPDEVIELLE

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After a bachelor's degree in economics and management, Ariane Capdevielle did a master's degree in event communication. Since July 2018, Ariane has been in charge of supporting the students of MSc Biobanks & Complex Data Management's program at Université Côte d'Azur. At the same time, she assists the project manager of the OncoAge FHU, directed by Pr Paul Hofman, within the hospital of Nice.



AURÉLIE DELORT

Aurélié Delort is the Operational Director for the IDEX Training Program at Université Côte d'Azur.
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Over a 15+ year experience, she has achieved a solid expertise in Education and Training, and various forms of management skills, including Project Management. She is now running the MSc International Bureau, working closely with Managers and coordinators on its innovative programs. In parallel with this, she coordinates the AI Education and Training at the Interdisciplinary Institute of Artificial Intelligence (3IA) Côte d'Azur.

AN INTERNATIONAL MASTER

Today, there is an international challenge in the harmonization of biobanking activities to guarantee data and sample qualities. Whole the international biobank networks, organizations and societies (including "infrastructure biobanks") as well as superregional biobanks need to be involved in it.

This is the reason why the Biobanks and Complex Data Management Master of Science of University Côte d'Azur (UCA IDEX Jedi) is integrated into an international cursus. In that way, the Master welcomes applications from candidates of all nationalities & students benefit from more than 45 experts and well known teachers, including:



JEAN-LOUIS PHAM
PhD. Research coordinator IRD, Montpellier, France.



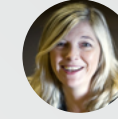
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The background features a blue-tinted image of a hand holding a magnifying glass over a network of white icons representing people connected by lines. The network is dense and spans the entire page. The text is centered in white.

MSc BIOBANKS & COMPLEX DATA MANAGEMENT

TEACHERS & TUTORS
2020•2021



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Maryline Allegra is a laboratory engineer and clinical research associate of the CHU BioBank in Nice. After 10 years working in fundamental research laboratories, she joined the BioBank in 2015. She is mainly in charge with liquid biopsies, collecting patient plasma, extracting circulating DNA and analyzing genetic mutations. She is also following up clinical studies managed by the Biobank.



CATHERINE ALIX-PANABIERES

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Dr. Catherine Alix-Panabières is an associate professor, at the Hospital and at the Faculty of Medicine of Montpellier, at the head of the Laboratory of Rare Human Circulating Cells (LCCRH) in the Department of Pathology and Onco-Biology. She is the expert for the EPISPOT technology that is used to detect viable tumor cells in the peripheral blood and the bone marrow of patients with breast, prostate, colon, head & neck cancer and melanoma. Her works is a wonderful mixture of giving teaching lessons to medical students on Cancer Biology in combination of developing this field of tumor cell dissemination at the hospital for the cancer patients, leading strongly translational clinical research. She has authored or co-authored more than 60 scientific publications in the field of liquid-biopsy during the last years including 10 book chapters, she is also the inventor of three patents in the liquid biopsy field and she is part of French national projects. To end, she received several prize for her work as the Gallet et Breton Cancer Prize, the highest honor conferred by the French Academy of Medicine in November 2012, and, very recently, the 2017 AACR Award for the most cited scientific article in 2015 (Cayrefourcq et al. Cancer Res)



JEAN-GUILLAUME BAUMANN

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Jean-Guillaume Baumann is a Swiss citizen who has been working at Agilent since 2017 as Business Development Manager. He started in this company as a core developer before moving toward a more sale and marketing-oriented position. He has graduated in 2015 from the University of Neuchâtel with a Master's degree in Mathematics with honors along with a Minor's degree in Computer Science. Agilent Technologies, Inc. is an American public research, development and manufacturing company established in 1999 as a spin-off from Hewlett-Packard. The resulting IPO of Agilent stock was the largest in the history of Silicon Valley at the time. The company provides analytical instruments, software, services and consumables for the entire laboratory workflow.

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Karl-Friedrich Becker is a molecular biologist and heads the Laboratory for Experimental Pathology at the Technical University of Munich. His lab uses unique methods for protein analysis of tissues, e.g. extraction of intact proteins from formalin-fixed and paraffin-embedded (FFPE) tissues and Reverse Phase Protein Arrays (RPPA), for which he was awarded with the Novartis Research Prize for Pathology. Dr. Becker is Scientific Director of the Tissue Biobank of the Medical School of the Technical University of Munich. Dr. Becker is member and project leader of the European Committee for Standardization (CEN) TC140 „In vitro diagnostic medical devices“, WG3 „Quality Management in the Medical Laboratory“ and member and project leader of the International Organization for Standardization (ISO) TC212 “Clinical laboratory testing and in vitro diagnostic test systems”.





CHRISTIAN-JACQUES BONETTO

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Provides consulting, training, and services in all areas of Project Management. Member of PMI since 2000, member of the France chapter in 2002. PMP® certified in 2005. Elected member of the PMI France board in 2007, EMEA PMI Volunteer of the year 2009, Vice President of the Cote d'Azur branch between 2011 & 2019, PMI Education Foundation Liaison for France since 2014. Today Vice President Marketing Communication PMI France.

Co-creator in 2015, and past president, of the Toastmasters Club Sophia-Antipolis, within Digital Equipment Corporation, Cisco Systems, Siemens VDO. Amadeus (Global leader in technology and distribution solutions for the travel and tourism industry). Joined Amadeus in 2009 to define then deliver Project Management Training and Coaching services within the Central PMO. Create & animate the Corporate Project Management Community between 2010 and 2017. Today Risk Manager & Project Management Coach within Amadeus Airline R&D division. Project Management trainer in various schools/university (Polytech, SKEMA, ISEM...)

OLIVIER BORDONE

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Olivier Bordone joined Biobank Côte d'Azur (Nice, France) in February 2007 for a project whose purpose was to evaluate the benefits of the RFID technology on the traceability of the biological samples. Currently, his main functions are the extraction and quality control of the nucleic acids NGS, sequencing (S5, GENEXUS) and interpretation of results. As part of the process of quality of the laboratory (NF-S 96900 and ISO15189) he performs the functions of referent in metrology.



SILVIA BOTTINI

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After completing a physics degree at the University of Rome (Italy) and PhD in Bioinformatics at the University of Siena (Italy) in collaboration with Novartis Vaccines, Silvia moved in Nice (France) in 2014 for her post-doc focused on developing several bioinformatics tools and mathematical models coupled with molecular biology techniques including CLIP-seq experiments. Since 2019 she is Operational Director of the “Medical Data Laboratory” (MDLab), Université Cote d’Azur, a center of expertise in data science applied to medical research, where she ensure the proper functioning of MDLab and coordinates the expertise and missions of the engineers involved in the center.

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Medical doctor and data science epidemiologist with 10 years experience of designing real world studies. Specialist interests in machine learning and clinical informatics. He leads the Epidemiology function of the EMEA Data Science Hub at IQVIA, responsible for designing and executing scientific studies using real world data (EMR, Registries, Claims, Genomic, Multicountry database studies)



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Man of challenges and adventures, manager since the beginning, specialist in digital marketing, communication and management, passionate about the I.T.'s, I have at heart to put to good use, share and pass on these 20 years of multidisciplinary experience that I have been lucky enough to acquire in my many professional adventures in France and abroad.



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Christian CHABANNON is a professor of Cell Biology at Aix-Marseille University School of Medicine. Board-certified in Hematology and Medical Oncology. Head of Cellular Therapy Facility at Institut Paoli-Calmettes, Comprehensive Cancer Centre, Marseille, France. Department of Cancer Biology. Curator, Tumour Bank, Biological Resource Centre in Oncology, Institut Paoli-Calmettes & Centre de Recherches en Cancérologie de Marseille, CRCM, UMR Inserm 1068 / CNRS 7258 / AMU 105 / IPC. Secretary of ESBB Council. Former Executive Officer, Cancéropôle PACA.



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Gauthier Chassang is a lawyer in European and International Law. He holds a Master degree in Law obtained in 2009 at the University of Toulouse 1 Capitole, France, and he is currently working at the French National Institute of Health and Medical Research (Inserm), UMR1027/US13, in an interdisciplinary research team specialized in bioethics. His expertise and research areas mainly focus on the legal and ethical aspects of genomics, biobanking, privacy and data protection in biomedical research and health-related ICTs.



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Georges DAGHER, senior investigator and research director at Inserm (Paris) accomplished most of his career in pathophysiological and clinical research. He is currently the Director of BIOBANQUES infrastructure, a French infrastructure that regroups 84 biobanks and the Vice Chair of BBMRI-ERIC a pan European infrastructure that regroups more than 250 biobanks. Georges Dagher published more than 90 papers in international peer-reviewed journals on hypertension, arterial hypertrophy, obesity and lipid metabolism, manic depression, renal physiology and transmembrane ion transport. He is an active participant of several FP7 and H2020 funded projects BBMRI, EUCELLEX, BIOSHARE, BBMRI-LPC, Eucellex.



BRUNO CLÉMENT

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After a PhD in Cellular and Molecular Biology, Bruno Clément joined the NIH in Bethesda MD, as a post-doctoral fellow for 3 years. In 1985, he was appointed at Inserm, the French national institute for biomedical research. From 1992, he headed a group on liver cancer and the tumor microenvironment, in the "Liver Research" Inserm unit. He was member of the editorial board of Hepatology in 1997-2007. From 1998 to 2003, he was appointed at the Ministry of Research as Deputy-director in the Biotechnology department, and involved in the implementation of the Law on Innovation, through dedicated actions in favor of biotechnology, including the first national program for biobanks. He was member of several international committees on biobanks and biotechnology, e.g. in OECD, WHO and in the European Commission. From 2003 to 2007 he was appointed counselor of the general director of Inserm for biobanks and biotechnology development, and scientific director of INSERM-Transfert. He is currently CSO of the Biobank national infrastructure and head of the Inserm unit n°991 "Liver, Metabolisms and Cancer".

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Graduated in Biological Sciences and Certified Board in Biostatistics at the University of Milan. She started her scientific career at Istituto Nazionale Tumori in Milan, where she is currently Head of the Biomarkers Research Unit and Director of the Department of Experimental Oncology and Molecular Medicine. She served the EORTC as Chairperson of the PathoBiology Group, and is currently in the Scientific Committee of BBMRI.it. Her scientific interests are dealing with: a) biomolecular characterization of solid lesions and liquid biopsies from several tumor types; b) identification and validation of biomarkers associated with cell proliferation, apoptosis and cell survival; c) relationship between gene expression profiles and clinical progression and/or treatment resistance in breast cancer; d) isolation, characterization and propagation of tumor-initiating cells obtained from human solid tumors; e) coordination of quality control studies for cancer biomarkers and proposition of guidelines for the clinical use of biomarkers; f) biobanking research. She published 230 scientific papers on peer-reviewed journals.

**THOMAS DI MAIO**

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Thomas di Maio is passionate about science and multidisciplinary projects. He graduated from Ecole Polytechnique with a master degree in Chemistry & Biology and the 1st prize of the team science project. Then he completed his training with a master in bioengineering at the Ecole de Physique et Chimie Industrielle de Paris (ESPCI). Eager to acquire some knowledge in corporate strategy he started his career as a management consultant for Advancy and focused on missions in process industries (chemistry and steel). He joined AstraZeneca, in 2012, both attracted by a company with a strong science focus and a positive social impact. He held various positions in Sales Force Effectiveness with the aim of optimizing AZ Field Force ways of working. Thomas is now the head of marketing for Tagrisso, a targeted therapy for patients with EGFR mutated lung cancer and is delighted to have the opportunity to push the boundaries of science and healthcare by collaborating with healthcare professionals and academics.





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J.F. Emile is Head of the Pathology Department and of the Biobank of Ambroise Paré hospital, and of the research unit EA4340. The Biobank «CRB Ambroise Paré» is certified NF96-900 by AFNOR since 2012, and the Molecular Pathology of our department is accredited ISO 15189 by COFRAC since 2014. J.F. Emile is implicated since more than 25 years in the French network of histiocytoses, and recently led for the Histiocyte Society the publication of the revised classification of histiocytoses.



GILLES ERB

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Gilles Erb works for Roche Tissue Diagnostics within the scientific affairs group as scientific leader for Breast, Gastric and Colorectal Diseases the EMEA LATAM region. He joined Roche in 2009 as scientific project manager taking care of high value marker such as HER2/neu, ALK or PD-L1. He has a previous experience of 8 years as scientific expert for a CRO conducting phase I, II trial focused on CNS diseases Gilles Erb achieved in 2008 a PhD in medical science oncology.



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Jacques FIESCHI-MERIC has received his PhD in Immunology from the Aix-Marseille University completed by a postdoctoral fellowship at the Commissariat à L'Énergie Atomique. He served as R&D group leader at Beckman-Coulter, then Head of Project Management at QIAGEN. Today he is VP in charge of Research & Development Department of HalioDx that develops tests and methods to grow the pipeline of the Diagnostic and Pharma Business Units of the company.



IVETTE FRANCO

Master degree - Université Côte d'Azur teacher.

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Graduated from The College of New Jersey in 2009 with a Bachelor's Degree in International Studies with a concentration in Diplomacy and a minor in French. After working in state government for several years, first as Deputy Chief of Staff for a State Senator and then as a Public Finance Analyst for the New Jersey Election Law Enforcement Commission, she decided to follow her heart and become a French/Spanish Teacher at a New Jersey Public School. During her last year teaching at this school, Ivette was fortunate enough to teach a second grade French immersion classroom where she was not only able to share her love for the French language and culture with her young students but also, she implemented a new Language Arts curriculum using Teacher's College, Columbia University Teaching Standards. Ms. Franco also holds a Master's of Arts in Teaching Degree in French Education from Montclair State University and is a certified teacher in the State of New Jersey for K-6 all subjects and K-12 French.

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Karen Gambaro holds a PhD degree in Cellular and Molecular Biology from the University of Nice-Sophia Antipolis (France). She completed a 5-year post-doctoral training in the Department of Human Genetics at McGill University, in Canada. Her research led to the identification of new tumor suppressor gene candidates and the generation of a new genetically modified ovarian cancer cell line model, with high potential to develop biomarkers for clinical application. Karen then worked within different groups at McGill University and the University of Montreal as a research associate and further developed biobanking and clinical sample profiling strategies. Karen's current role as Co-Director of Translational Operations at Exactis Innovation is to implement new technologies and develop methods for tissue and blood sample processing for translational research projects. Karen also manages cytogenetics analyses using high-density SNP arrays and coordinates the integration of analyses that are carried out across multiple omic platforms, with the objectives to identify biomarkers and gene expression signatures to support the development of personalized medicine.



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Simon Heeke did his Bachelor and Master studies in Molecular Medicine at the Medical University of Innsbruck in Austria, prior to joining the team of Pr. Paul Hofman at the IRCAN and Biobank Côte d'Azur in Nice for his PhD. Since 2020, he is a Postdoctoral Fellow at the Department of Thoracic H&N Medical Oncology at the MD Anderson Cancer Center in Houston, USA.



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Yves-Edouard HERPE is the Operations Manager at the Biobank of Picardy. He has acquired a five years' experience in the private sector as an R&D project manager before joining the renowned Biological Resources Center of the Amiens University Hospital. Previously, he accomplished his PhD program from Paris XI University (CIFRE Fellowship) and he hold a Master of Business Administration from the Paris I Sorbonne University, with a specialization in the management of innovation. His scientific area of expertise is pluripotent stem cells, primary human hepatocytes and cryobiology.



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Robert has been Executive Officer of ESBB (the biobanking society improving ethical access to quality biological samples for research) since the society's foundation in 2010. He was European Editor of Biopreservation and Biobanking from 2009-2016 and played a key role in re-launching this journal from its previous version (Cell Preservation Technology). Previously he served as President of ISBER (2008-2009) and was the society's first non-US President. He also chaired numerous ISBER committees, including Marketing, Program, Publication and Nominating committees and chaired the organizing committee for the 2007 ISBER conference in Singapore. He has been in biobanking for the past 18 years and has been involved in establishing biobanks in Europe, the Middle East and Asia. First at Hammersmith Hospital in London, UK; then King Faisal Specialist Hospital in Riyadh, Saudi Arabia; and then National University Hospital in Singapore (the NUH-NUS Tissue Repository) where he also established a hospital-based cancer registry. In 2012 he was the recipient of ISBER's Outstanding Achievement in Biobanking Award.



MARIANA KURAS

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Mariana Kuras holds a PhD in biophysics and computational biology from the University of Illinois at Urbana-Champaign (USA). Mariana then worked as a bioinformatics researcher at Pfizer Global Research and Development in Fresnes and conducted genomics studies. She then pursues her experience at Biosystems International (BSI) for eight years as Director of Research, where she was responsible for the development and validation of biomarker platforms in multi-million euro projects. In 2012, she joins Ariana Pharma as Scientific Director. She is Senior Healthcare Systems and Data Consultant at IQVIA. Mariana is expert in Data Science and Precision Medicine, with a strong background in European partnerships and consortium development.



KARINE HUGOT

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Karine Hugot is the manager of SPIBOC, ISA (Institut Sophia Agrobiotech-INRA/CNRS/UNS) platform offering to research teams skills and equipment in 3 technological areas: microscopy, biochemistry and bioinformatics with specific expertise in plant science. She received her doctorate in molecular biology from University of Nice studying plant-pathogens interactions. Then she worked for Bayer Corpscience before to join INRA in 2004 to manage a biobank dedicated to livestock genomics in Jouy en Josas.

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Marialuisa Lavitrano is full professor of Pathology and Immunology, director of Molecular Medicine Unit, director of the School of Oncology and director of the Executive Master in Management of Research Infrastructures at the Milano-Bicocca University. As Pro-Rector for International Affairs [2006-2013], she was responsible for international curricula and research activities. In 2013 she has been appointed as BBMRI.it Node Director to set up the Italian Node of BBMRI-ERIC. Over the years, she contributed to the strategic planning of research and to the development of international strategies of the Ministries of Research and of Health for H2020, JPI, EraNet, IMI and coordinated the Italian participation in the BioMedical Sciences ESFRI roadmap. Prof. Lavitrano is actively involved in research in molecular medicine with a translational approach for the transfer of the scientific results to the clinical practice. She also founded a university spin-off for the development of biomarkers and of modulator compounds of drug resistance in epithelial tumors (12 patent applications, 4 granted patents). Moreover, she is interested in the bioethical aspects of science and research and participated at Bioethic Commissions of the Council of Europe, of the Vatican, and of the Italian government and in many international working groups contributing to the compilation of guidelines.



BERNARD MARI

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Dr. Bernard Mari is research director at CNRS. He has obtained a Ph.D at the University of Nice (1994) and performed a post-doctoral training at the Dana Farber Cancer Institute in Boston in the field of lung cancer. His team at IPMC mainly focuses on functional genomics approaches to understand the function of non-coding RNAs in lung tumorigenesis and fibrosis.



LORENZO MEMEO

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Lorenzo Memeo, completed both Medical School and the residency program in Anatomic Pathology at “La Sapienza” University of Rome. After the residency he spent 5 years in the Department of Pathology at Columbia University Medical Center, in New York, as a post-doc research fellow, working for the New York Metropolitan Register for Breast Cancer. Since 2005 he is the Director of the Division of Pathology at the Mediterranean Institute of Oncology in Catania, where he is also the Director of the Biobank.

MICHEL YVES MISTOU

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Michel Yves Mistou, (PhD, HDR) is research director at INRAE (National Institute for Agronomical Research & Environment). He's in charge of the INRAE network of Biological Resources Centers dedicated to conservation and valorisation of microorganisms of agronomical values and is responsible of the microbial pillar of RARe, the INRAE/IRD/CIRAD Research Infrastructure (RI) dedicated to biological resources of agronomical and environmental interest. He represents INRAE in the pan-European Microbial Resource Research Infrastructure, MIRRI. He was previously (2014-2019) the head of the Foodborne Pathogens Department of ANSES (French Agency for Food, Environmental and Occupational Health and Safety) where epidemiological surveillance and characterization of microbiological food contaminants are conducted. He drove there the change management strategy toward the implementation of genomic approaches for research, reference and surveillance activities on foodborne pathogens. He was also responsible of the GAMeR team setting bioinformatics development. He is an expert at Anses, EFSA, ISO in the field of whole genome sequencing. He has previously worked as a researcher in several institutions (CNRS, Max Planck Institut, INRA, Institut Pasteur) where he was involved in multiple research projects involving national and international institutions. He is the author of more than 50 peer-reviewed published articles in the field of biochemistry, bacterial physiology, proteomics, genetics and genomics.

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Peter Nowacki currently holds the position of Chief Operating Officer at Trans-Hit Biomarkers, and Director Biospecimen Services Operations at Brooks Life Sciences. Prior to joining Brooks, Peter supported Trans-Hit Biomarkers in 2020 as Senior Advisor Strategy and Corporate Development, leading to the acquisition by Brooks in December 2020. During the last 20 years, Peter's previously held roles include Director International Business Development, Director New Business Development, Managing Director, Vice-President Healthcare, Director of Metrics and Reporting, as well as Director of Bioinformatics. Peter's roles have always focused on the intersection of business and life sciences, healthcare, and diagnostic services. Peter has international business experience in Canada, USA, Europe, Middle East, India, and South East Asia. Peter holds an Executive MBA from Queen's University (2004), and an MSc in Biology / Bioinformatics from McGill University (1998), and is the author of over a dozen peer-reviewed publications.



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Alexis Perisic is currently Sales Leader at ThermoFisher Scientific, and strong of a 14 years' experience in the market of medical diagnostic and more particularly in the field of pathology/oncology, I have worked those few past years on the market adoption of the NGS technology for the diagnosis of patients with cancer. Before this position, he worked as an account executive in IHC (Immuno Chemistry) and Special Stains (Pathology Market) for Ventana Medical Systems; then as a regional sales manager in Pathology Diagnostic for Roche



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Plant geneticist senior scientist, Institut de recherche pour le développement (IRD) & senior officer, Agropolis Fondation – Montpellier Strong interest in the ex situ and in situ conservation of plant genetic resources. Developed multidisciplinary research on the diversity of crop genetic resources in agroecosystems (in particular rice, wheat, yam and pearl millet). He leads the development in Montpellier of the ARCAD conservation and research center on Mediterranean and tropical crop diversity (www.arcad-project.org). Member of the Scientific Council of the Fondation pour la Recherche sur la Biodiversité (FRB).

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After a PhD studying the impact of a replicating virus on synaptic plasticity, in Toulouse, France, she worked in diagnostic biotechnology companies in Oxford, UK, specializing in Knowledge Transfer between academia and industry. She then took the position of Deputy Director of the French National Reference Center on Arboviruses, in Marseille, France, at the Armed Forces Biomedical Research Institute. In 2015, she joined the H2020 funded European Consortium «the European Virus Archive goes Global, EVAg», as a Business Developer.»



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Graduate in health law (Faculty Bordeaux), Ph.D in Health Law (European mention, University Paul Sabatier Toulouse). She is a permanent researcher in health law and bioethics. She is the leader of a multidisciplinary team, Health innovations trajectories: bioethics challenges and impact in public health, at the Inserm/Paul Sabatier University 1027 Unit in Toulouse (Epidemiology and public health analysis: risks, chronic diseases and handicaps). She is an Associate lecturer in bio-law and bioethics at the University of Medicine in Toulouse (Purpan). She is involved in several research projects at National, European and International level, on the topics of biobanking, innovative therapies, biomedical research involving human beings and genetic testing. She is responsible for several teaching and educational sessions, especially on the ethical and legal aspects of biomedical research involving human or patients' rights regarding biobanking. She is currently developing a research on the Governance of Research in biotechnology and the role played by regulations at national and European level. She is the coordinator of the EUCeLLEX project (FP7 2013-2016, Cell-based regenerative medicine new challenges for EU legislation and governance, GA 601806, <https://www.eucellex.eu/>). She is leading the societal part of an "Epigenetic program" developed under the auspices of the French National agency for Research (IBISS, coord. C. Delpierre).



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Pascal Puchois is the CEO of Trans-Hit Bio (Montreal), one of the leading Biospecimen Procurement CRO facilitating direct interactions between Industry and Academic Biobanks allowing the scientific and medical expertise of academics to be drawn upon and leveraged. THB has created an extensive collection capability for bio specimens and clinical samples through a worldwide network of biorepositories and clinical sites. Pascal is a Clinical Pathologist with a degree in Pharmacy, in Medical Pathology and PhDs in Clinical Biochemistry and Pharmaceutical

Sciences (University of Lille, France). After a postdoctoral fellowship at the Oklahoma Medical Research Foundation (USA), he worked at Institut Pasteur de Lille where he headed the Biomarker R&D Unit and also was the head of a hospital's multidisciplinary Clinical Laboratory. After this academic career, he founded and/or managed various international Clinical Research Organizations and central clinical laboratories. He also served as Vice President for biotech companies in North America. His extensive experience in the CRO industry and his biomarker expertise combined to a quality-oriented mindset (previously a certified Quality Assurance auditor for clinical and central laboratories: COFRAC and CAP).



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After university training in Evolutionary Biology and Statistics (Université Lyon 1) and 1.5 years of ATER in Paris XI, he was hired by INRA as Engineer (“Ingénieur de Recherches”) in 2004. He works in the Team “Research and Development in Biological Control, his activities are driven by two objectives: (i) the development of experimental research dealing with genetic (broad sense) aspects of biological control (since 2004), (ii) the management of the RDLB team (since 2008). At the intersection between these two objectives, he is also involved in the formalization of a Biological Resources Center devoted to particular biological agents (BRC “Egg Parasitoids Collections, BRC EP-Coll).



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Dr. Etienne Rouleau is currently the chief of the Tumor Genetic Laboratory in Gustave Roussy. He has a strong expertise in molecular pathology and germline genetics acquired in several French centers (René Huguenin, Institut Curie, Institut Gustave Roussy). His research activities try mainly to consider in the tumor development the interaction between germline mutation with the somatic background in families with cancer predisposition. He is one of the experts in the BRCA1 and BRCA2 gene. In parallel to his molecular diagnosis activities, he has some interest on health economy and especially innovation development as a former student at the Essec Business School and Master of Public Health. He founded the first national molecular pathology quality control program (Gen&tiss).



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Jérémie Roux is a CNRS researcher at IRCAN (Paul Hofman lab) and an associated member of the BioCore (Inria Sophia). Jérémie has been applying experimental and computational approaches to study diverse mechanisms of drug resistance in clonal cells. Using single-cell technologies, his current research effort focuses on understanding tumor cell response heterogeneity in order to increase anticancer drug efficacies.



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Renaud Schiappa is a clinical data manager who has been working in cancer research for 10 years. With a background in cellular biology and bioinformatics and after an internship at the European Bioinformatics Institute in Cambridge, UK., he started to work in a CNRS laboratory, working on ontologies and mapping genes expression on tunicate organisms. He then joined the “Carte d’Identité des Tumeurs” program at the Ligue Nationale Contre le Cancer and worked on compiling and standardizing a database of more than 10 000 cancer patients. He created a specific ontology addressing the issue of gathering clinical data with various level of precision and later added the clinical data of more than 4 000 cancer patients from public database, like GEO or ArrayExpress, along with their DNA- and RNA-chips. He then worked at the Institut Paoli Calmettes in Marseille and then in a CRO (Contract Research Organization) before joining the “Unité d’Epidemiologie et Biostatistiques (UEB)” at the Centre Antoine Lacassagne in Nice, 4 years ago. He is involved in more than 40 projects ranging from clinical database to international clinical studies, representing a total of more than 25 000 patients. He works on text mining in order to extract useful information from 500 000 medical reports, database design using international standards and aims to create a data warehouse at the Centre Antoine Lacassagne in order to address the specific questions of the oncologists. He is co-author in 14 international publications and always looking for new collaborations.



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Taycir SKHIRI is a project manager for the FHU OncoAge. Following a scientific career in biotechnology and health engineering, he received postgraduate training at Toulouse Business School, specializing in Management of Biotechnology and Health industry. After successful engagement as a R&D project manager at Ost-Développement, a biotech company, Taycir currently draws on his multifaceted scientific, managerial and marketing expertise to lead the FHU OncoAge project.



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For many years Prof. Giorgio Stanta's main interest has been the application of molecular analysis to fixed and paraffin-embedded tissues (all human tissues of biopsy or surgical origin), called archive tissues. He has developed several methods, in particular for RNA analysis. Professor Stanta is the coordinator of the European group "Archive Tissues: Improving Molecular Medicine Research and Clinical Practice - IMPACTS" (www.impactsnetwork.eu). He is taking part as an expert in the Biobanking and Biomolecular Resources Research European Infrastructure (BBMRI-ERIC), which is interested in the organization of the network of archive tissues. He is the chairman of the Molecular Pathology WG of the European Society of Pathology, the chairman of the Biobanking and Molecular Pathobiology WG of the Organization of European Cancer Institutes and he was appointed by the European Society of Medical Oncology.

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Delphine Sondaz holds a PhD in Molecular and Genetic Biology from Aix-Marseille University and a Master in Healthcare Management from Kedge Business School. She has developed a solid experience in the engineering of international collaborative projects and public-private R&D partnerships in health. Successively European Project Manager and Project Manager «Strategic Partnerships» within Inserm Transfert SA for 6 years, she has held for 5 years a Scientific Coordinator position, responsible for the implementation of the scientific strategy of Canceropôle PACA alongside the Secretary General.



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Paul Tourniaire graduated from Supelec (telecommunications major) in 2020. He is a PhD student since December 2020 in the Epione team at INRIA in Sophia Antipolis, working alongside the Nice CHU on treatment response prediction from multi-omics data for lung cancer patients. Research Interest of Paul Tourniaire : Statistical learning, Multi-omics models, Immunotherapy



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Ellen Van Obberghen-Schilling earned a B.Sc. with Biology honors from Purdue University (W Layfayette, IN USA), and a PhD from Nice University (France) in 1985. After postdoctoral training in the Laboratory of Chemoprevention of the National Cancer Institute (National Institutes of Health, Bethesda, USA) from 1985-1988, she returned to Nice as a tenured scientist of the French National Institutes of Health and Medical Research (Inserm). She became Research Director in 1996 (DR1 in 2006) and currently heads the Group "Adhesion signaling and cell plasticity in the tumor microenvironment" in the Institute of Biology Valrose of the University Côte d'Azur. Dr. Van Obberghen-Schilling is the Scientific Coordinator of the iBVExperimental Histopathology facility. She has served and serves on numerous national and international scientific committees, been invited speaker and organizer of several international scientific meetings in the field of cell signaling and cancer biology and authored more than 90 publications.



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Laetitia Zurletto is an associated professor at Nice Sophia Antipolis University (UNS), since 2006, where she teaches plant physiology. She develops her research on plant-parasitic-nematodes at the Institute Sophia Agrobiotech (ISA). Before that, Laetitia's research concerned the mechanisms which allow plants to adapt to environmental conditions that affect their growth and their development. Laetitia realized a post-doctorate in the department of biology of «Penn State University» (USA) supervised by Pr. Sarah Assmann; and her doctorate in the CEA (Commissariat à l'Energie Atomique) of Cadarache supervised by Dr. Cyrille Forestier.



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He is the current president of the scientific council of the French Cystic Fibrosis Association "Vaincre la Muco", and of the scientific committee of the Canceropole PACA. He is also a creating member of the executive committee of the national infrastructure France Génomique. He was awarded CNRS Bronze medal in 1993 and Jean-Pierre Lecocq Price from the French Sciences Academy in 2014. Pascal Barbry's work goes from the elucidation of the structure of epithelial ion channels to the regulation of homeostasis by non-coding RNAs. His efforts have also been instrumental to develop French bioinformatics and genomics. In the early 2000, he was coordinator of a French transcriptome resource run by the French Genopole Network. He then contributed to set up the National Infrastructure France Génomique, which fosters large-scale use of high throughput sequencing. His ongoing research explores cell interactions at the light of single cell RNA/DNA analyses, and he was the principal organizer of the Atelier Inserm «Single Cell Sequencing», held in June 2015 in Bordeaux. (164 publications + 4 patents, 7672 citations, H-index = 48).

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Deborah Bridle has a PhD in English studies (literature) and has an «agrégation» in English. Her research currently focuses on British and American fantasy literature from the 19th and 20th centuries, with particular emphasis on weird fiction and supernatural horror and the study of the nihilistic dimension and occult-related themes in the works of authors like Arthur Machen, H. P. Lovecraft, Thomas Ligotti, etc. She has been teaching on the Sciences campus of the University of Nice Sophia Antipolis since 2013 and is now co-head of the Service Commun des Langues de Valrose.

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Thierry GERBI, born in Nice on the 10th December 1964, he's holding a Software Development degree and a Project Management Master, and certified Project Manager Professional. He started in IBM in 1988 as a developer, and then I continued in a spinoff of IBM, ATOP, in 1993, specialized in Voice Messaging (Direct Talk). That start-up of 20 employees was acquired by their main competitor Octel (4000 employees). Due to the success of the Octel Voice Messaging, Octel was acquired by Lucent Technology in 1997 for 2.1 billion dollars. Then he left Lucent, in 1999, and joined Compaq in Telecommunication division with Quality and Project

Management roles. Compaq was acquired by HP. he has left HP in 2009, to come back to school for one year and pass a Project Management Master (Polytech), with in parallel a DU in Human Resources Performance (IAE). He's working in Amadeus since 2010, as Project Manager, implementing the Altea product for Airline companies, and teaching on 4 University branches (Biobanks, LP IRI, M2COAS, MAE).

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With an MSc in Applied and Computational Mathematics and Statistics, Christophe has been in charge of defining software solutions that address specific requirements of both Genetics and Microbiology laboratories as well as those for biorepositories. He is currently focusing on the promotion of new software components for storage automation, bioclinical data and big data management (www.biobank-solutions.com).

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Véronique Hofman obtained an MD degree at the University of Nice Sophia Antipolis (France) in 1998 and a PhD degree in 2003. She is a clinical and molecular pathologist and responsible of diagnosis of the lung pathologies in the LPCE, Nice, France. She is a member of the team 3 IRCAN (Inserm U1081/ UMR CNRS 7284). She is specialized in circulating tumor cells detection and characterization. She works in the Nice Biobank at Pasteur Hospital, Nice and responsible of the lung cancer and mesothelioma collection in this biobank.

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Pr. Laurent-Puig works within the Department of Biochemistry at the European Georges Pompidou Hospital Paris, where he is responsible for the Clinical Oncogenetic Unit in the Department of Genetics. Since 2004, he is also Director of the UMR-S1147 INSERM laboratory 'Personalized Medicine, Pharmacogenomics and Therapeutic optimization'. He has been recently nominated as director of a comprehensive cancer center CARPEM (www.carpem.fr) joining 2 University hospital of Paris Descartes University belonging to the Assistance Publique - Hôpitaux de Paris network.



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Pradeepa Pangigadd is a Senior Lab Scientist at Karolinska Institutet Biobank. He is also a cancer-immunologist with 6+ years of experience of working in Bio-medical research. He has a background in basic life science in general with in depth knowledge of immunology, oncology, clinical samples, cell assays, drug interaction assays, lab animal handling and ethics, assay development, in vivo and in vitro imaging applications, data analysis and scientific writing skills. Known for good communication skills, managing multiple projects and international collaborations, work independently but also enjoy team work. He obtained a PhD in the field of Cancer immunology, immunotherapy - Scientific publications- Presentations of novel findings in international conferences - Supervised Undergraduate and guided PhD students - Worked and managed multiple projects and international collaborations.

AGNES PAQUET

Msc. Head of Biostatistics - Functional Genomics Platform, IPMC.

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Mrs. Paquet is an expert in statistical analysis and mining of large datasets from high-throughput assays (microarrays, NGS data such as RNAseq and single cell RNAseq). She is specialized in biomarkers discovery and in development of assays for diagnostic and resistance assessment in HIV, HCV, breast and lung cancers. She is currently the head of biostatistics for the Functional Genomics Platforms of the Institut de Pharmacologie Moleculaire et Cellulaire (Sophia Antipolis, France).

ELISABETH PÉCOU

PhD, Dassault Systèmes. ✉ epecou@gmail.com

Elisabeth Pécou Gambaudo, PhD in Mathematics has dedicated her research in the last fifteen years to modeling and simulation in biology, mainly dedicated to the understanding of dynamical regulations at the intra and intercellular levels and their dysfunctioning. She is full Professor at the University of Nice since 2006. For 8 years, she has experienced research in the industrial context first in a start-up (SOBIOS) and then in an international software company (Dassault Systèmes) where she managed a team of research engineers dedicated to developing methods and algorithms for modeling and simulation for the life sciences.

SABINE SCARZELLO

Ph.D Security Manager at IRCAN, Nice. France.

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Sabine Scarzello is a holder of doctorate in Life Sciences. She is an engineer in CNRS (National Center for Scientific Research). She works within IRCAN (Institute for Research on Cancer and aging, Nice IRCAN UMR 7284 CNRS INSERM U1081). She insures the functions of assistant of prevention, competent

THEY ALSO CONTRIBUTED

NATHALIE ROCCA

Independent Trainer

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After her Master's Degree in English, Nathalie Rocca joined Yves Saint Laurent Parfums in the 1990's first as Area Manager for UK/Ireland and second as Travel Retail World Wide Manager. In those roles, she was in charge of promoting the brand, launching new products in front of large assemblies of B to B customers or animating Press conferences. Her goal today is to enable people to give the best of themselves or of their product through brilliant communication skills supported by the right verbal and body languages. Her recent clients are Txcell, Toyota, Amadeus, Fortinet, Société des Bains de Mer... She is also a teacher at Nice University, where she is in charge of preparing students for careers abroad through CV and job interview workshops.

GUNNEL TYBRING

Ph.D. Associate prof. - Karolinska Institutet

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Gunnel Tybring has more than 10 years of experience of biobank development for life sciences and medical research. Her experience covers issues of importance in biobanking practices from the technical and ethical/regulatory perspectives to biospecimen sciences. She is involved in several national and international networks and research projects related to biobank services.

MARTIN YUILLE

Ph.D., MA Reader in Biobanking Co-Director Centre for Integrated Genomic Medical Research Honorary Principal Scientist, Salford Royal NHS Foundation Trust.

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Dr. Martin Yuille is a molecular geneticist by training and has an investigative research background in the somatic and population genetics of hematological oncology. For the last 15 years he has undertaken research and development in research infrastructure, working in the field of biobanking, including as Director of the UK DNA Banking Network and as Associate Coordinator of BBMRI Preparatory Phase. He is Reader in Biobanking at the University of Manchester, Co-Director of the Centre for Integrated Genomic Medical Research and Honorary Principal Scientist at Salford Royal NHS Foundation Trust in Greater Manchester.

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