



Dimet

Ph.D. Program
Translational and
Molecular Medicine

Università degli Studi di Milano-Bicocca
DIPARTIMENTO DI MEDICINA E CHIRURGIA

ETHICS IN SCIENCE PUBLISHING

DIMET Course October 17-19, 2022

Bicocca University, Health Science campus (Monza)

📍 Edificio U18

The Course will be held in presence as well by remote attendance.

Remote platform: WebEx (it is advisable to download in advance the app for best audio fruition)

Link: <http://tiny.cc/EthicsInPublishing>



Organizers: Roberto Buccione (HSR); Giorgio Cattoretti (UNIMIB); Valeria Tiranti (FINCB)
Organizing Secretariat: Isabella Mauri, Silvia Scuotto (UNIMIB)

Building U18 Room 7

– Monday, October 17th

2.30pm to 6 pm

Responsible Research Innovation: open science, open publishing.

2.30–3.30pm **Roberto Buccione** (HSR, Milan): *Introduction to Responsible Research and Innovation (RRI) and Principles of Research Integrity*

3.30–4.30pm **Paola Galimberti** (UNIMI, Milan): *The different roads of open access.*

4.30–5.00pm Coffee Break

5.00–6.00pm **Marco Morelli** (HSR, Milan): *Research Data Management and Open Data good practices*

Responsible Research and Innovation (RRI) is a term used by the EU Framework programs to describe scientific research and technological development processes that take into account effects and potential impacts on the environment and society. It is at the focus of programs such as Horizon 2020. It evolved from previous single-nation initiatives and has been adopted as the main focus to do science in Europe. You will hear today how RRI articulates in your daily practice and how to fill the gap between science and society.

Building U18 Room 6

– Tuesday, October 18th

2.30pm to 6 pm

Journal Editors on changing publishing landscape including predatory publishing

2.20–3.30pm **Rita Horvath** (University of Cambridge, UK); *Ethical issues in peer review processes*

3.30–4.30pm **Gianfranco Pacchioni** (UNIMIB, Milan): *The changing landscape of publishing*

4.30–5.00pm Coffee Break

5.00–6.00pm **Giuseppe Citerio** (UNIMIB, Milan): *Where and how to publish your research: what you should know, what journal editors think and want*

In an ever-evolving landscape of competing journals and publishers and competitive scientists looking for visibility and reputation for their work, how to match the manuscript with the Journal and avoid the traps of unsavory publishers requires the insight that this part of the seminar provides.

Building U18 Room 6

– Wednesday, October 19th

2.30pm to 6 pm

Reproducibility and dishonest publishing

2.30–3.30pm **Clarissa Franca Dias Carneiro** (Universidade Federal do Rio de Janeiro (UFRJ) and Berlin Institute of Health at Charité Universitaetsmedizin, Berlin (BIH-Charité): *reproducible, honest publishing*

3.30–4.30pm **Ivan Oransky** (Retraction Watch, New York); *Retractions are increasing. But not enough.*

4.30–5.00pm Coffee Break

5.00–5.30 **Giorgio Cattoretti** (UNIMIB, Milan): *The powerless whistleblower; a personal take.*

You heard the day before the changing landscape of publishing, including the corruptive practice of predatory publishing. Today you will learn healthy practice in doing science, including how to make your data easy to read, exchangeable and reproducible, free to be shared, positive and negative results alike (**Dias Carneiro**); you will also learn what happens when things go horribly wrong, either if it is yours or somebody else's fault and your prized publication goes out of PubMed with a nasty note and a lasting dark cloud over your lab (**Oransky**); finally, you will witness how to navigate substantial disagreements between you, the whistleblower, and the environment where you work (**Cattoretti**).

5.30–6.00pm Summing up (Buccione, Tiranti, Pacchioni).

NB: all titles and roster sequence are provisional

Language is English.

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Organizers: Roberto Buccione (HSR); Giorgio Cattoretti (UNIMIB); Valeria Tiranti (FINCB)

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LIST OF SPEAKERS

Roberto Buccione (HSR, Milan): *Introduction to Responsible Research and Innovation (RRI) and Principles of Research Integrity*

Monday, October 17th, 2.30–3.30pm

Roberto Buccione earned his PhD in Italy studying mammalian oogenesis. After a post-doctoral experience in The Jackson Laboratory in Maine, USA he returned to Italy to pursue a scientific career in tumour cell biology, during which he published his work in prestigious scientific journals with the support of several funding agencies including the European Community, Associazione Italiana Ricerca sul Cancro (AIRC) and the Italian Ministry for Health. Five years ago, he joined EMBO Press where he acted as a professional Scientific Editor for EMBO Molecular Medicine until recently, when he joined the IRCCS Ospedale San Raffaele in Milano to head the newly established Research Integrity Office.

Clarissa Franca Dias Carneiro (Universidade Federal do Rio de Janeiro (UFRJ) and Berlin Institute of Health at Charité Universitätsmedizin, Berlin (BIH-Charité): *reproducible, honest publishing*

Wednesday, October 19th, 2.30–3.30pm

Clarissa Franca Dias Carneiro (Universidade Federal do Rio de Janeiro (UFRJ) and Berlin Institute of Health at Charité Universitätsmedizin, Berlin (BIH-Charité): Reproducible, honest publishing
Clarissa is a pharmacist by training, turned meta-researcher. She obtained her Master's degree under the supervision of Prof. Olavo Amaral, at the Federal University of Rio de Janeiro, with a focus on systematic reviews and meta-analysis. Still with the same group, for her PhD she joined the coordinating team of the Brazilian Reproducibility Initiative, a multicentre replication project focused on Brazilian biomedical sciences. Clarissa recently joined the QUEST Centre for Responsible Research, in Berlin, to work with the DECIDE project supporting and developing a framework for the conduction of multicentre confirmatory studies.

Giorgio Cattoretti (UNIMIB, Milan): *The powerless whistleblower; a personal take.*

Wednesday, October 19th, 5.00–5.30pm

Giorgio Cattoretti is a Professor of Pathology at the University of Milano-Bicocca. He spent 13 years as Associate Professor at Columbia University in New York studying B cell lymphomagenesis and pursuing his interests in in situ immunodetection.

Giuseppe Citerio (UNIMIB, Milan): *Where and how to publish your research: what you should know, what journal editors think and want*

Tuesday, October 18th, 5.00–6.00pm

Giuseppe Citerio, is a Professor of Anesthesia and Intensive Care at the Milano Bicocca University, School of Medicine and Surgery. He is the Director of the Neuroscience Department and Director of Anesthesia and Neurosurgical Intensive Care, at San Gerardo Hospital, ASST-Monza. He started the Neurointensive and Neuroanesthesia service in the early 1990s at San Gerardo Hospital in Monza, after a previous experience at the San Raffaele Hospital in Milan. While at the Neurosurgical Intensive Care Unit, he has actively participated in national and international research networks, such as BrainIT and CenterTBI. He has also been involved in numerous research protocols and drug trials, many times acting as the principal investigator. His research activities are focused on TBI, subarachnoid hemorrhage, neuroanesthesia, neurointensive care,

and brain death/organ donation. He has published more than 400 indexed articles and has an H index of 51.

He has developed more than 50 courses in Italy and Europe on Neurointensive Care topics, and last but not least, created a Summer School program at UNIMIB on NeuroIntensive Care that took place for the first time in 2017.

Dr Citerio is the Editor-in-Chief of INTENSIVE CARE MEDICINE since 2019.

Paola Galimberti (UNIMI, Milan): *The different roads of open access.*

Monday, October 17th, 3.30–4–30pm

Paola Galimberti is the Director of the Performance, Quality and politics of Open Science of the University Statale of Milan. She is also in charge of various Offices overseeing the research data quality, integrity, diffusion and publication ranking.

Rita Horvath (University of Cambridge, UK): *To be defined*

Tuesday, October 18th, 2.30–3.30pm

Rita Horvath is a clinical academic who was trained as a neurologist in Budapest, Hungary and completed her PhD in mitochondrial disease in 2000. She continued doing research in mitochondrial diseases following her PhD in Munich, Germany and in 2007 was appointed as Lecturer in the Mitochondrial Research Group at Newcastle University (UK). She established her research group to study mitochondrial translation deficiencies and developed a new service for patients with inherited peripheral neuropathies (Charcot-Marie-Tooth disease, CMT). In 2018 she took on a new post as Director of Research (Clinical) in Rare Neurogenetic Diseases at the Department of Clinical Neurosciences, University of Cambridge. The focus of her research is to identify key molecular disease mechanisms with the aim of developing treatments for patients with rare inherited neurological conditions, such as mitochondrial disease and CMT. She is Associate Editor of Brain.

Marco Morelli (HSR, Milan): *Open access publishing [the tools for...]*

Monday, October 17th, 5.00–6.00pm

Marco Morelli is a theoretical physicist who has fallen in love with biology and data analysis. After the Italian laurea, he moved to the AMOLF institute in Amsterdam where he learned to model biochemical networks in bacteria, and to interact with biologists. He then moved to the University of Glasgow to model the spread of RNA viruses using genetic and epidemiological data, where he met his first next-generation sequencer, and started developing tools to analyze this new kind of data. As a Researcher at the Center for Genomic Science of the Italian Institute of Technology, he worked on the epigenomics of cancer, developing tools for the management of research data. At the Center for Omics Sciences at IRCCS Ospedale San Raffaele, he now coordinates the Bioinformatics research area.

Ivan Oransky (Retraction Watch, New York): *Retractions are increasing. But not enough.*

Wednesday, October 19th, 3.30–4.30pm

Ivan Oransky, MD, is co-founder of Retraction Watch, editor in chief of Spectrum, and distinguished writer in residence at New York University's Arthur Carter Journalism Institute. He also serves as president of the Association of Health Care Journalists. Ivan previously was vice president of editorial at Medscape, global editorial director of MedPage Today, executive editor of Reuters Health, and held editorial positions at Scientific American and The Scientist. A 2012 TEDMED speaker, he is the recipient of the 2015 John P. McGovern Medal for excellence in biomedical communication from the American Medical Writers Association, and in 2017 was awarded an honorary doctorate in civil laws from The University of the South (Sewanee). In 2019, the judges for the John Maddox Prize, which promotes those who stand up for science in the face of hostility, gave him a commendation for his work at Retraction Watch. He earned his bachelor's at Harvard, where he was executive editor of The Harvard Crimson, and his MD at the New York University School of Medicine. In 2015, I was awarded the John P. McGovern Award for excellence in biomedical communication from the American Medical Writers Association.

Gianfranco Pacchioni (UNIMIB, Milan): *The changing landscape of publishing*

Tuesday, October 18th, 3.30–4.30pm

Gianfranco Pacchioni is full professor of solid state chemistry at the University of Milano Bicocca where from 2013 to 2019 he has been Vice-Rector for Research. He received the degree in Chemistry at the University of Milano (1978) and the Ph.D. in Physical Chemistry at the Free University of Berlin (1984). He has been working at the IBM Almaden Research Center in California (1987) and at the Technical University of Munich (1993). He received various awards including the Nasini Medal of the Italian Chemical Society (1994), the National Price “Federchimica” (1996), the Alexander von Humboldt Award (2005), the Pascal Medal of the European Academy of Sciences (2016), the Pisani Medal of the Italian Chemical Society (2017), the Chini Medal of the Industrial Chemistry Division of the SCI (2018). He is Fellow of the European Academy of Sciences (2009), of the Academia Europaea (2012), of the Accademia Nazionale dei Lincei (2014), of the Istituto Lombardo Accademia di Scienze e Lettere (2019).

He is member of the Scientific Council of the Italian National Research Council.

His main interests are theory and electronic structure of oxides (bulk, surface, thin films, nanostructures), supported metal clusters, materials for catalysis, photocatalysis and energy production. He is co-author of more than 550 papers with about 30000 citations (h-index: 89, WoS, 100 Google Scholar) and has given about 500 invited talks at international conferences and research institutions. Since 2019 he is Editor-in-chief of the Journal of Physics: Condensed Matter (Institut of Physics).

Valeria Tiranti (Istituto Neurologico Carlo Besta, Milan) Panelist

Wednesday, October 19th, 5.30–6.00pm

Valeria Tiranti is a Neuroscientist with a long-standing expertise in mitochondrial and metabolic disorders, including identification of disease genes, biochemical evaluation of the respiratory chain activities, molecular and cellular biology, and identification of pathogenetic mechanisms of diseases. She is also the Deputy Scientific Director of the Istituto Neurologico Carlo Besta in Milan, one of the few female Professors in such a role.