



## MARTA BERTOLASO

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**Marta Bertolaso** is Full Professor of Philosophy of Science and Human Development at University Campus Bio-Medico of Rome. Her expertise in philosophy of science, scientific practice and ethics, with a strong scientific background, has allowed her to promote and collaborate in interdisciplinary research and educational programs on complex organized systems and human development. She is currently focusing her work on the integral development of adaptive systems and evolutionary processes for the digital, ecological and energetic transitions. The social impact and the emerging educational challenges for inclusion and sustainable innovation are the main focus of her contribution in institutional and international programs for a sustainable society too. For example, she currently collaborates with MASE (Ministry of the Environment and Energy Security within the Bioeconomy - CCNBBSV) and in the department for Work and Integral Wellbeing of the Vatican. Since 2017 Marta Bertolaso is Editor in Chief of Springer Series on "*Human Perspectives in Health Sciences and Technology*" (PHS&T) and of the Italian Rubettino Series on "Fattore Umano & Complessità". She is corresponding member AISC (<https://www.aips.be/en>) International Academy of Philosophy of Science, and member of the Consulta Italiana di Filosofia. More information about her work and publications is available below.

## Academic CV & PUBLICATIONS

**Nationality:** Italian

### **Current Positions:**

Since 1<sup>st</sup> of February 2022: Full Professor of Philosophy of Science – *Department of Science & Technology for Sustainable Development and One Health. Head of the Research Unit of Philosophy of Science and Human Development*

### **Other relevant current positions:**

- Since 2023: **corresponding member** of <https://www.aips.be/en> International Accademy of Philosophy of Science - ACADEMIE INTERNATIONALE DE PHILOSOPHIE DES SCIENCES
- Since 2024: Scientific Committee UCBM Academy
- Since 2023: member of the Observatory on **Open Innovation** – Politecnico di Milano
- Since 2023: member of the Scientific Committee of the **European School of Oncology Advisory Board**.
- Since 2022: **Member of Consulta Italiana di Filosofia**
- Since 2022: member of **G.C. General Consulting Network**
- Since 2022: member of the **working group “Lavoro e benessere integrato”** at Dipartimento per il benessere integrale “Maria e il creato” della Pontificia Accademia Mariana Internazionalis
- Since 2021: **Member of the national coordination group ‘Bioeconomia’ for the Ministero della Transizione Ecologica:** <https://cnbbsv.palazzochigi.it/it/materie-di-competenza/bioeconomia/>
- Since 2021: Founder and Board member of **Venture Thinking:** [www.ventirethinking.it](http://www.ventirethinking.it)
- Since 2021: **Member of the European Group Governance in Complexity:** <http://ecgc.eu>
- Since 2020: **Delegate of the Rector** of University Campus Bio-Medico of Rome for R.U.S. (Rete Italiana delle Università per la Sostenibilità): <https://sites.google.com/unive.it/rus/chissiamo>
- Since 2020: **Delegate of the Rector** of University Campus Bio-Medico of Rome for RUNIPACE (Rete Italiana delle Università per la Pace): [www.runipace.org](http://www.runipace.org)
- Since 2019: Member of the **External Faculty of Konrad Lorenz Institute** (KLI) -An independent Center for Advanced Studies in Life and Sustainability Sciences, Klosterneuburg, Vienna, Austria [https://www.kli.ac.at/content/people/all\\_people/view/254](https://www.kli.ac.at/content/people/all_people/view/254)
- Since 2018 – **Scientific director** of the Human and technology section of the website Saluteuropa - <https://saluteuropa.org/category/uomo-e-tecnologia/>
- Since 2018: **Scientific Committee** of Fondazione Alberto Sordi: <http://www.fondazionealbertosordi.it/>
- Since 2017: **Editor in Chief** of Springer Series on “Human Perspectives in Health Sciences and Technology” (HPHS&T) starting in 2018. <https://www.springer.com/series/16128>
- Since 2006: **Bord Director** of *Home Renaissance Foundation* (London), **Scientific Committee** Member for the area of “Health and Primary Care”: <http://www.homerenaissancefoundation.org/homeorg/directors.html>

## **Previous Relevant Academic/Scientific Positions:**

**2020 – 2023:** adjunct professor in CCBIO (**University of Bergen**): <https://www.uib.no/en/ccbio>

**2021-2023: Member of the CTS (Comitato Tecnico Sanitario) of the Ministero della Sanità,** Bioteecnologie innovative (voluntary resignation).

**30<sup>th</sup> July 2018:** Italian *Abilitazione Nazionale* for Full Professor in Philosophy of Science (SC: 11/C2 – SSD: M-Fil02).

**2<sup>nd</sup> July 2017-1<sup>st</sup> February 2022:** Associate Professor of Philosophy of Science, Faculty of Science and Technology for the Humans and their environment, University Campus Bio-Medico of Rome, Italy. **2012-2017:** Assistant Professor of Philosophy of Science, Faculty of Engineering and Institute of Philosophy of the Scientific and Technological Practice (IPSTP), University Campus Bio-Medico of Rome, Italy.

**2008-2010:** PhD in Bioethics at the Institute of Philosophy of the Scientific and Technological Practice (University Campus Bio-Medico of Rome) with a thesis on the ‘Evolution of the epistemological models of cancer’ (rated Excellent). Awarding on the 13<sup>th</sup> of April 2011.

**1997:** National Professional Qualification for Biologists, at the University of Pavia

**1995:** Degree in Biological Science, Graduation thesis presented at the National Institute for Tumours of Milan (Maximum Score and Honours).

## **Main Awards:**

**2019:** **Expanded Reason Award** 3<sup>rd</sup> Edition – Research Category, by University Francisco de Vitoria (Madrid, Spain) for “Philosophy of Cancer – A Dynamic and Relational View” (2016) Springer Series in “History, Philosophy and Theory of the Life Sciences”, 18.

**1991:** **Philips National competition** for “Young Researchers” with a study on “Experimental verification of the initial events in germination”.

## **Main Fellowships (in Philosophy of Science)**

- 24<sup>th</sup> – 31<sup>st</sup> March 2019: *Visiting Scholar* at the Department of History and Philosophy of Science, Pittsburgh, PA, USA. Ref. Sandra Mitchell.
- 26<sup>th</sup> August - 3<sup>rd</sup> September 2018: *Visiting* at Konrad Lorenz Institute (KLI) for Evolution and Cognition Research, Klosterneuburg, Vienna, Austria.
- 6<sup>th</sup> – 9<sup>th</sup> May 2015: *Visiting* at Egenis (Centre Of Studies of Life Sciences), University of Exeter (UK). Ref. John Dupré.
- April 2013 - May 2014: *Visiting Fellow* at the Centre of Biomedical Humanities of the Department of Experimental Oncology of IEO, University of Milan. Ref. Giovanni Boniolo
- September – December 2012: *Visiting Fellow* – Center for Philosophy of Science, Pittsburgh University, [http://www.pitt.edu/~pittcntr/People/visiting\\_fellows/vf\\_2012-13/bertolaso.html](http://www.pitt.edu/~pittcntr/People/visiting_fellows/vf_2012-13/bertolaso.html)
- 28<sup>th</sup> February – 9<sup>th</sup> May 2011: *Visiting Scholar* at the Department of History and Philosophy of Science, Pittsburgh, PA, USA. Ref. Sandra D. Mitchell.
- 10<sup>th</sup> – 21<sup>st</sup> January 2011: *Visiting Scholar* stay at the IHPST (Intitut d’Histoire et de Philosophie des Science et des Techniques), Paris, France. Ref. Jean Gayon.

## **Scientific Experience:**

- **1994-1996:** INT (National Tumor Institute), Milan in the department of molecular biology with a project on the gene expression and localization of c-ERB2 in the ovarian cancer
- **1997** (2<sup>nd</sup> June ‘97 – 1<sup>st</sup> June ‘98): obtained a Regional Grant (funded by ASL1 of Turin) for a project on “Genetic molecular alterations and malignity in primary breast cancers”, at the department of anatomical pathology, San Giovanni Vecchio Hospital, Turin (Italy)
- **1998-1999** (1<sup>st</sup> January ‘98 – 31<sup>st</sup> May ‘99): IRCC (International Research Centre for Cancer), Candiolo, Turin, Regional Grant (funded by G. Ghirotti Foundation) for a project on

“Development of a non-radioactive protein truncation test: applications in the clinical area for the analysis of mutated genes involved in familiar syndromes and sporadic cancers”

- **2008-2010:** Grant from UCBM for a research project at the Institute of Philosophy of the Scientific and Technological Practice at University Campus Bio-Medico of Rome on ‘Philosophy of Cancer and Cancer Research’.
- **Since 2008,** after having experienced in first hand some bio-medical research (see above), I have been developing my philosophical training, skills and academic CV in **research, teaching and tutoring, and research group promotion and coordination** at academic level, in contact with the national and international scientific and academic environments (both Anglo-Saxon and Latin, Spanish speaking communities).

### **Previous (1995-2008) Educational and Training programs**

Organized and promoted for:

- **RUI Foundation** (Residenze Universitarie Italiane)
- **ICU** (Institute for University Cooperation)
- **AEC** (Association for Education and Culture, Turin)

### **PROJECTS**

#### **NATIONAL PNRR projects I am involved in:**

- **Rome Technopole:** Flagship8, as coordinator for UCBM (Coordinamento nazionale di Ivan Danesi, UNICREDIT).
- **Biodiversity Centre:** Spoke 6 per UCBM, ma contributo specifico con SPOKE n. 8 (innovazione e sue dinamiche) coordinato da Università di Pisa (Alberto Di Menin). Coordinamento centrale: CNR.

<i>Project Title</i>	<i>Funding source</i>	<i>Amount (Euros)</i>	<i>Period</i>	<i>Role (it refers to the effective activity; formal terms might change depending on the calls/grants)</i>
<b>PERSONAL FUNDING</b>				
PRIN	Integral WELLbeing for human flourishing: healthcare and food from an ethical and legal perspective (I-WELL)	242.214 €	2023-2025	Researcher
HEALTHCARE 5.0	Social Trend Institute	30.000 €	2023-24	PI
Borsa Dottorato - HUBQUARTER	Regione Lazio + e-FM	76.000 €	2023-2025	PI
Different Intelligence	World Templeton Foundation	100.000 \$	2021-22	Co-PI
Geografia dell'appartenenza (geography of the membership)	IC2Lab: <a href="https://www.resonnetwork.it/it/department/ic2-lab.html">https://www.resonnetw ork.it/it/department/ic2 -lab.html</a>	5.000 €	2021	Co-PI

Society X.0 in the rise of a new epoch. The human factor in the social, economic and relational ecosystems	STI	30.000 €	2021	PI
Connecting the dots: scienza, conoscenza e società	FCA	10.000 €	2020	PI
Costruire ponti: generazioni, tecnologia e casa	Fondazione Alberto Sordi	10.000 €	2019-2020	PI
Personalized Medicine and New Trends in the Bio-Medical Sciences and Technologies. Combining Scientific and Humanistic Approaches to Complexity	Social Trends Institute	30.000 €	2019-2020	PI
Intelligenza Artificiale e Società: tra innovazione e bene comune	FCA	10.000 €	2019	PI
Organ-on-Chip Conference	Università Bicocca di Milano	5.700 €	04/10/2018-31/12/2019	One of the two main coordinator (other: Lilia Alberghina, Università Bicocca, Milano)
Metaphysics of Biology: Framing the Interactions between Metaphysics and Molecular, Developmental and Evolutionary Biology	Ministerio de Economía y Competitividad Coordinated by María Cerezo (Full professor of Philosophy of Science, Universidad de Murcia, Facultad de Filosofía, Departamento de Filosofía) ID: FFI2017-87193-P	27.830 €	01/01/2018-31/12/2020	External researcher
Ospedale_4.0: verso un nuovo <i>modello di care</i> che integri le necessità territoriali con le tecnologie emergenti a servizio delle persone	FCA	10.000 €	03/18-12/18	PI

Bio sciences & Technology	Social Trends Institute	15.000 + 10.000 €	2017-2019	PI
Bio-Sciences & Technology: an integrated research program	Fondazione Gaetano e Mafalda Luce	20.000 €	2017-2018	PI
Will Science Remain Human? Frontiers of the Incorporation of Technological Innovations in the Biomedical Sciences	Social Trends Institute	30.000 €	2017-2018	PI
Contemporary Issues in Metaphysics of Biological Sciences	Fundación Séneca (Agencia de Ciencia y Tecnología de la Región de Murcia) Coordinated by Maria Cerezo (Full professor of Philosophy of Science, Universidad de Murcia, Facultad de Filosofía, Departamento de Filosofía) ID: 19489/PI/14	11.280 €	2015 (1st of July) - 2018 (30th of June)	External researcher
MeTA-Es	Promoted by the departments of “Scienze della formazione e psicologia”, of “Scienze della salute” and of “Neurofarba” University of Florence		Since July 2014	Researcher for Philosophy of Bio-Medicine
Bio-medical humanities: un crocevia al servizio di idee umanizzanti	FCA	10.000 €	2017	PI
Evolving Embodied Habitats: Abitare l’Ambiente	FAS	60.000 €	2016-2017	PI
Self-on-a-Chip: A Study of Embodiment in Innovative 3D Cell-Culture Models	UCBM	20.000 + 10.170 €	2016-2019	PI
The unity of the human being: from embryonic development to the generation of habits	John Templeton Foundation and Oxford University  Coordinated by Hector Velazquez (Universidad Popular)	15.000 US\$	2016-2017	External Researcher

	Autónoma del Estado de Puebla, Mexico). <a href="http://www.cyral.org/en/project-grants/projects/">http://www.cyral.org/en/project-grants/projects/</a>			
“In Silico Medicine” ed etica: programma di formazione e ricerca	FCA	10.000 €	2016	PI
Assistenza in ambiente domestico mediante le nuove tecnologie	FCA	10.000 €	2015	PI
Contemporary Issues in Metaphysics of Biological Sciences	Ministerio de Ciencia e Innovación Coordinated by Maria Cerezo (Full professor of Philosophy of Science, Universidad de Murcia, Facultad de Filosofia, Departamento de Filosofia) ID: FFI2013-47849-P	29.040 €	2014-2017	External researcher
Bio* project	FCA and Pittsburgh University	15.000 € + 11.000 \$	2014-2016	PI
Models And Inferences In Science. Logical, Epistemological, and Cognitive Aspects	PRIN, Founded by the Italian Government  ID: 20122T3PTZ		2013-2017	External researcher
Determinism and indeterminism: from science to philosophy in Spanish speaking academia	John Templeton Foundation  ID: 38920  <a href="http://www.austral.edu.ar/filosofia-deteind/en/nuestro-proyecto/">http://www.austral.edu.ar/filosofia-deteind/en/nuestro-proyecto/</a>		2013–2015	External researcher
Change: Semantics and Metaphysics	Ministry of Science and Innovation of the Spanish government Coordinated by Maria Cerezo (Full professor of Philosophy of Science, Universidad de Murcia, Facultad de Filosofia, Departamento de Filosofia) ID: FFI2009-13687-C02-01	31.460 €	2010-2013	External researcher

GRANTS FOR EDUCATIONAL PROJECTS				
Winter School for undergraduate students, “Epistemology of the Scientific Discovery”	Funded by FRUI (Fondazione Residenze Universitarie Italiane) and University Campus Bio-Medico of Rome	1.000 €	February and March 2012	PI
Summer School for undergraduate students, “Human enhancement and the pursuit of happiness. Prospects and implications” in Boston, in collaboration with professors from MIT and TUFTS University	Funded by FRUI (Fondazione Residenze Universitarie Italiane)	5.000 €	August 2010	PI
Pilot Educational Project, “The concept of ‘the quality of life’ in the elderly: an international pilot study and its epistemological implications”	HRF and UCBM	10.000 €+ 10.000 \$	2008-2010	One of the two main coordinator (other: Marta Elvira: Lexington College, Chicago, IESE Madrid)

#### **Collaborations with other research groups in Italy and Europe:**

- 2020- 2022: Consultant for [GLGCouncils\\_HC@glgroup.com](mailto:GLGCouncils_HC@glgroup.com) on ‘In silico medicine’.
- 2019-2021: collaboration in CEO coaching meeting with ELIS ([www.elis.org](http://www.elis.org))
- Since April 2020: board and scientific board in Venture Thinking initiatives: [www.venturethinking.it](http://www.venturethinking.it)
- Since January 2019: enrolled in the Agorà Europe database - <https://www.movimentoeuropeo.it/agora/index.php?lang=en>
- Since January 2019: member of “Women&Technologies” Association - <https://www.womentech.eu/womentech-associazione-donne-e-tecnologie>
- Since October 2018: member of a group of research for the Research chair "The Social issues of precision medicine in oncology" organized by the French national cancer institute (INCa), in partnership with the École Normale Supérieure de Lyon (laboratory Triangle) and the LYriCan integrated cancer research site (Léon Bérard Center and Hospices Civils de Lyon)
- Since April 2018: member of the Scientific Committee of Sites de Recherche Intégrée sur le Cancer (SIRIC) at Pitié Salpêtrière, Paris.
- Since October 2017: member of Systems Biology Group Lab at La Sapienza University of Rome ([www.sbglab.org](http://www.sbglab.org))

- 11<sup>th</sup> January 2018: VPH Consortium Meeting in Amsterdam
- 26<sup>th</sup>-27<sup>th</sup> June 2018 Flagship and DigiTwins – AICAN intervention on SSH issues
- Since January 2017: member of “Embryo, Human Development & Society – (EHDAS – www.edhas.org)
- 2012-2016: member of a group of research on Systemic Philosophy at the Catholic University of Milan.
- March and June 2015: Avicenna Meetings (roadmap for Horizon 2020 on ‘In Silico Clinical Trials’) Expert involved in the Avicenna consensus process (cfr. Annex 1) – <http://avicenna-isct.org/>
- Since 2013: Grupo de Estudio de la Conferència Càtedra "Cultura, ciència y religión" directed by Josep Corcò Juviñá, UIC, Barcelona (Spain).
- 2012-2013: member of a group organizing seminars of epistemology at the University of the Holy Cross, Rome: “L’accesso alla dimensione spirituale della persona nel contesto della filosofia e della scienza contemporanea” – seminar.

## Languages

<i>Language</i>	<i>Writing</i>	<i>Listening</i>	<i>Speaking</i>	<i>Reading</i>
	<b>Madre</b>	<b>Madre lingua</b>		
ITALIAN	Mother tongue	Mother tongue	Mother tongue	Mother tongue
ENGLISH	Good	Excellent	Very good	Excellent
SPANISH	Excellent	Excellent	Excellent	Excellent
FRENCH	-	Fine	-	Good

## CURRENT TEACHING in University Campus Bio-Medico of Rome

- Since 2020-2021: teaching Management and Digital Mindset Lab (UCBM, ING-ISS)
- Since 2020-2021: teaching The Human Factor in the Digital Transitions (UCBM, ING-ISS)
- Since 2020-2021: teaching English Language and Soft Skills for Engineering Sciences (UCBM, ING-I)
- Since 2019-2020: teaching Human Ecology and Sustainability (UCBM, STAGEF)
- Since 2018-2019: teaching Filosofia dell'uomo e della riabilitazione (UCBM, CdI Fisioterapia)
- Since 2012: teaching Philosophy in the Engineering Sciences (UCBM, ING-I)
- Since 2015: teaching Sustainability (UCBM, ING-C)
- Since 2014: teaching in Ethics of Human Nutrition (UCBM, SANUM)

**Since 2017:** coordinator of the interdisciplinary course within the PhD program Scienze e Ingegneria per l'uomo e per l'ambiente/Science and engineering for humans and the environment - DOT13A0534.

## Recent 2020-2021 Masters Teaching

- 2020-2022: LUISS Guido Carli Business School: Master Executive “Sperimentazione Clinica”: Major del Master in Management della Filiera della Salute. 3 July 2020: Sperimentazione clinica - Aspetti etici e privacy nella gestione dei campioni biologici.
- 2021-2023: Corso di perfezionamento in Bioetica, Università di Padova
- 2021, 27th July - "Globalization Governance and International Understanding": Globalization and Health, Link Campus University

## **Other Previous International TEACHING Experiences**

- Department of Philosophy, Washington University of St. Louis, USA – November 6<sup>th</sup> to November 14<sup>th</sup> 2016: 4 hours lectures on theoretical and ethical issues related to Transhumanism, Post-Genomic Era and In Silico Medicine, in Anya Plutynski's course on “Biomedical Ethics” (undergraduate students).
- Munich Center for Mathematical Philosophy (MCMP), Ludwig-Maximilians-Universität München – June 28<sup>th</sup> to July 8<sup>th</sup> 2016: weekly lectures on “Complexity and Causality in Medicine” in the course for PhD students and post-doc in philosophy and bio-sciences, on Philosophy of Causality held by Barbara Osimani and Roland Pollinger.
- Universidad Popular Autónoma del Estado de Puebla (UPAEP), Mexico – February 7<sup>th</sup> and 8<sup>th</sup> 2017: 9 hours of lectures for scientists, doctors, humanists and philosophers on “Philosophy of Cancer”.

## **Mentor/Tutor for THESIS or POST-DOC students**

- 2014-2015: Undergraduate thesis in Philosophy (University of Bologna): Filippo Landi – co-supervisor
- 2014-2018: PhD thesis in Philosophy of Science (University of Roma Tor Vergata and IHPST-Paris): Anna Maria Dieli – tutorial lecturer from 2014 to 2017, final examiner in 2018
- 2016-2017: post-doc grant, Mattia Della Rocca (University Campus Bio-Medico of Rome) – member of examining board during PhD thesis dissertation – substitute
- 2017: post-doc grant, Mattia Della Rocca (University Campus Bio-Medico of Rome) – member of examining board
- 2016-2017: post-doc grant, Federico Boem (University Campus Bio-Medico of Rome)
- 2017-2018: post-doc grant, Fabio Sterpetti (University Campus Bio-Medico of Rome)
- 2018-2019: post-doc grant in Philosophy of Science (University Campus Bio-Medico of Rome): Chiara Beneduce – supervisor
- 2023- 2025: Maria Laura Ilardo – Philosophy of Bio-Medicine - Epistemology of risk
- 2024-2025: Angelo Marinucci – Philosophy of Life and Complexity

## **Bertolaso's PhD students:**

- **2018-2022:** Laura Corti Phd student on “Lo schema corporeo nei soggetti con neuroprotesi: un’analisi fenomenologica” – main supervisor
- **2018-2022:** Andrea Pensotti, industrial PhD student on “Studio sul processo di modellizzazione in silico di dinamiche biologiche multilivello in oncologia” (University Campus Bio-Medico of Rome) – main supervisor
- **2019-2023:** Sabrina Melino PhD student on “Per una cura integrata della malattia cronica. Dal cuore della cultura europea, la riscoperta del dialogo tra discipline scientifiche e umanistiche” – main supervisor
- **2020-2024:** Emiliano Boschetto, industrial PhD student on “La transizione digitale: nuove prospettive per il concetto di benessere organizzativo nei sistemi complessi” – main supervisor
- **2020-2024:** Luca Capone, PhD on “Tecnica e rappresentazione nell’era digitale: Prospettive teoretiche e pratiche per una filosofia dei big data” – main supervisor
- **2023-2026:** Roberta Nobile – AI national PhD - co-supervisor
- **2024-2027:** Paola Iadaresta – Human Florishing at UCBM– co-supervirisor

### **Fellows from other universities (funded from external/their university)**

- June-August 2021: Pablo Garcia: Univ. di Malaga: Epistemology and philosophy of aging and its current scientific agendas
- July 2021: José Mara Pelaez: Univ Francisco de Victoria (Madrid): CSR and relational and sustainable management.

### **PhD dissertations' commissions:**

- 2021: PhD thesis in Philosophy of Science, Sarah , Sorbone, Paris. Mentors:
- 2021: PhD thesis in Philosophy of Life Sciences, Guglielmo Militello (Universidad Pais Basco, Spain). Mentors: Alvar Moreno, Leonardo Bich.
- 2018: PhD thesis in Philosophy of Science: Alessandra Passariello (Sapienza University of Rome)
- 2020: PhD thesis in Medicine: Caroline Benedicte Nitter Engen (University of Bergen) – final examiner (2° opponent)
- 2018: PhD thesis in Philosophy of Science: Elsa Muro (Universidad Navarra) – final examiner

### **Member of other SCIENTIFIC COMMITTEES:**

- 2024: member of the committee for the PhD Programm in Theory of contracts, services and markets, University of Rome Tor Vergata, Department of Management and Law
- 2021: 4th Philosophy of Cancer Biology workshop in Bordeaux (<https://www.philinbiomed.org/event/fourth-philosophy-of-cancer-biology-workshop/>)
- 2019 Member of the Program Committee of Prague Philosophy of Medicine Conference (4-5 June 2020)
- 2019 Scientific Referent for Associazione Amici del Campus Bio-Medico di Roma Onlus
- 2019 Scientific Referent for Generali-ELIS project under the chairmanship of Marco Sesana for universities
- 2018 Member of Scientific Committee of CUIR (Collegio Universitario Internazionale di Roma)
- 2015 Member of Collegio docenti - Dottorato di Ricerca in Scienze e Ingegneria per l'uomo e l'Ambiente

### **EDITORIAL Boards/Scientific Committees**

- June 2022: **Scientific Commette Member** of 'Bioetica & Biogiuridica' Morcelliana Series, Laura Palazzani Director.
- July 2022: **Scientific Commette Member** of 'COMPLECTi', Journal, Andrea Pensotti, Gedi Group.
- November 2021: Acta Philosophica
- April 2021: Scientific Committee of Mefisto Journal
- 12<sup>th</sup> of July 2017: *Organisms – An International Journal of Biological Sciences* (Scientific Board) ISSN: 2532-5876
- 2014-2019: Journal *Scienze e Ricerche* (Editorial Board or Scientific Commitee) – ISSN: 2283-5873, [http://www.scienze-ricerche.it/?page\\_id=35](http://www.scienze-ricerche.it/?page_id=35)
- 2016: *Filosofia e saperi. Sconfinamenti tra saperi umanistici e scienze della vita/ Crossing borders between humanities and life sciences* (Scientific Committee member) <http://www.ispf.cnr.it/Pubblicazioni/filosofiaesaperi>
- 2016: *Medicina e Storia* (Executive Board), <http://www.sibiom.org/medicina-storia>

- June 2015: *Bioethics Update* - Editor in Chief: Evandro Agazzi (Editorial Advisor)- ISSN 2395-938X <https://www.journals.elsevier.com/bioethics-update/editorial-board>
- November 2013: Journal *Current Bioinformatics* (Book Review Editor) ISSN: 2212-392X (Online) ISSN: 1574-8936 (Print) <https://benthamscience.com/journals/current-bioinformatics/editorial-board/>
- September 2013-2017: *Per La Filosofia*, International Peer-Reviewed Journal (Comitato di redazione) ISSN 0394-4131 / ISSN elettronico 1724-059X
- 2012-2021: *Medic - Metodologia didattica e innovazione clinica* (Editorial Board) ISSN 1824-3991 <http://www.medicjournalcampus.it/comitato-scientifico/>

### **Current Main Research Areas**

#### **A. Philosophy of Sustainability, Sustainable Organizations and Care**

I am developing a *Sustainable Society Project and Observatory*. In dialogue with contemporary developments in engineering, economy and social sciences I have been expanding my reflections on living dynamics to the organizational sciences, to the concept of Wellbeing and Healthcare for the Social Sciences. I am interested both in evolutionary processes, new models and metrics for sustainable innovation, in the new frontiers of leadership, organizational models and their adaptive processes, sustainable management. I am contributing to a systemic understanding of the ecological, digital and energetic transitions, and of their impact on organizations, for enterprises and welfare programs and for the policies more in general.

#### **B. Scientific Practice: Contemporary Epistemological Issues, Virtues and Ethics**

The main topics I have been focusing on have been Artificial Intelligence and human work (Big Data), management and transmission, human enhancement with their ethical and social implications. More recently, I have been asked also to reflect on the implications for technology, sociology, economics and education of some emerging concepts in philosophy of science and philosophy of life sciences such as complexity, intelligence, critical thinking, sustainability, integral development.

#### **C. Philosophy of Scientific Practice and Philosophy of Life Sciences**

I have been focusing on the Epistemology of Science and Philosophy of Life Sciences since ever. In particular, both my previous scientific work and endeavours in the Philosophy of Science have dealt with different aspects of regulatory and control issues of complex biological systems, organizations, and growth. I have also studied how different explanatory theories evolve in science, and how (mechanical) models can be considered a way towards discovery in the bio-technological field. How science works in practice, from genetics to bio-engineer, has also been one of the most recent areas of research and philosophical reflection. A particular attention has been paid to Systems Biology as it has been strictly connected with contemporary research on the organismic dynamics.

## PUBLICATIONS

### Papers – ARTICOLO IN RIVISTA

1. Venesio T, Balsamo A, Scordamaglia A, Bertolaso M, Arrigoni A, Sprujevnik T, Rossini FP, Risio M (2003). Germline APC mutation on the beta-catenin binding site is associated with a decreased apoptotic level in colorectal adenomas. *Mod. Pathol.*, 16(1): 57-65. ISSN 0893-3952
2. Bertolaso M, Gaudino C, (2007) Leben aus dem Labor? Die Aktualität von “*Donum Vitae*”, *Imago Hominis*, Band 14 - Heft 2, 110-112.ISSN: 1021-9803
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