

Michele Sommariva, PhD

CURRICULUM VITAE



PERSONAL INFORMATION

LAST NAME	SOMMARIVA
FIRST NAME	MICHELE
DATE OF BIRTH	11/01/1982

EDUCATION AND TRAINING

20/12/2010	PhD in Morphological Sciences Dept. of Biomedical Sciences for Health University of Milan
13/07/2007	Master's Degree in Pharmaceutical Biotechnology University of Milan Final Mark: 110/110 e Lode
16/12/2004	Bachelor's Degree in Medical Biotechnology University of Milano-Bicocca Votazione Finale: 107/110
07/2001	High School Diploma (Classical Studies) Liceo Scientifico "G. Gandini" - sez. classica "P. Verri" (Lodi) Final Mark: 100/100

WORK EXPERIENCE

01/11/2016 - Present	Researcher on Fixed Term Contracts (A) Dept. of Biomedical Sciences for Health University of Milan Via Mangiagalli 31, 20133 Milan
01/05/2015 - 31/10/2016	Research Fellow Molecular Targets Unit Fondazione IRCCS - Istituto Nazionale dei Tumori Via Venezian 1, 20133 Milan
01/11/2012 - 30/04/2015	Postdoctoral Visiting Fellow Department of Transfusion Medicine National Institutes of Health 9000 Rockville Pike, 20892 Bethesda (MD, USA)
01/01/2011 - 30/10/2012	Postdoctoral Fellow Dept. of Biomedical Sciences for Health University of Milan Via Mangiagalli 31, 20133 Milan

01/11/2007 - 20/12/2010	PhD Student Dept. of Biomedical Sciences for Health University of Milan Via Mangiagalli 31, 20133 Milan
01/03/2006 - 13/07/2007	Undergraduate Student Dept. of Biomedical Sciences for Health University of Milan Via Mangiagalli 31, 20133 Milan

TEACHING ACTIVITY

A.Y. 2016/2017	Human Anatomy (2 CFU) Bachelor Programme in Professional Education Medical School, University of Milan Human Anatomy (2 CFU) Bachelor Programme in Health Assistance Medical School, University of Milan Human Anatomy (2 CFU) Bachelor Programme in Environment and Workplace Prevention Techniques Medical School, University of Milan Human Anatomy (2 CFU) and Histology (1 CFU) Bachelor Programme in Pediatric Nursing Medical School, University of Milan
A.Y. 2015/2016	Human Anatomy (3 CFU) and Histology (1 CFU) Bachelor Programme in Childhood neuro and psicomotricity Medical School, University of Milan

LANGUAGES

English	Verbal skills: Excellent Writing skills: Good Reading skills: Excellent
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REVIEWER ACTIVITY

Journal of Translational Medicine
Plos One

RESEARCH ACTIVITY

Principali interessi di ricerca:

- Evaluation of the expression and function of TLR in non lymphoid tissues
- Evaluation of AIRE protein expression in extrathymic tissues
- Evaluation of the interplay between intestinal microflora and gut immune system
- Evaluation of the role of peritoneal and alveolar macrophages in health and disease
- Evaluation of PD-1 protein expression in in non lymphoid tissues tissues

SCIENTIFIC PUBLICATION

1) Claudia Calcaterra, Lucia Sfondrini, Anna Rossini, **Michele Sommariva**, Cristiano Rumio, Sylvie Ménard and Andrea Balsari

Critical Role of TLR9 in Acute Graft-versus-Host Disease

The Journal of Immunology 2008 181: 6132-6139

2) Silvia Gariboldi, Marco Palazzo, Laura Zanobbio, Silvia Selleri, **Michele Sommariva**, Lucia Sfondrini, Stefano Cavicchini, Andrea Balsari and Cristiano Rumio

Low Molecular Weight Hyaluronic Acid Increases the Self-Defense of Skin Epithelium by Induction of β -Defensin 2 via TLR2 and TLR4

The Journal of Immunology 2008 181: 2103-2110

3) Michelandrea De Cesare, Lucia Sfondrini, Manuela Campiglio, **Michele Sommariva**, Francesca Bianchi, Paola Perego, Nico van Rooijen, Rosanna Supino, Cristiano Rumio, Franco Zunino, Graziella Pratesi, Elda Tagliabue, Andrea Balsari

Ascites regression and survival increase in mice bearing advanced-stage human ovarian carcinomas and repeatedly treated intraperitoneally with CpG-ODN

Journal of Immunotherapy 2010 33(1): 8-15

4) **Michele Sommariva**, Loris De Cecco, Michelandrea De Cesare, Lucia Sfondrini, Sylvie Menard, Cecilia Melani, Domenico Delia, Nadia Zaffaroni, Graziella Pratesi, Valentina Uva, Elda Tagliabue, Andrea Balsari

TLR9-agonists oppositely modulate DNA-repair genes in tumor versus immune cells and enhance chemotherapy effects

Cancer Research 2011 Oct 15;71(20):6382-90

5) Cristiano Rumio*, **Michele Sommariva***, Lucia Sfondrini, Marco Palazzo, Daniele Morelli, Laura Viganò, Loris De Cecco, Elda Tagliabue, Andrea Balsari

Induction of Paneth cell degranulation by orally administered Toll-like receptor ligands

Journal of Cellular Physiology 2012 Mar; 227(3):1107-13

*CR and MS contributed equally at this work

6) **Michele Sommariva**, Loris De Cecco, Elda Tagliabue, Andrea Balsari

Modulation of DNA repair genes induced by TLR9 agonists: a strategy to eliminate "altered" cells?

Oncoimmunology 2012 Mar 1;1(2):258-259

<p>7) Anna Rossini, Laura Zanobbio, Lucia Sfondrini, Adalberto Cavalleri, Giorgio Secreto, Daniele Morelli, Marco Palazzo, Michele Sommariva, Elda Tagliabue, Cristiano Rumio, and Andrea Balsari <i>Influence of fatty acid-free diet on mammary tumor development and growth rate in HER-2/neu transgenic mice</i> Journal of Cellular Physiology 2013 Jan;228(1):242-9</p>
<p>8) Lucia Sfondrini, Michele Sommariva, Monica Tortoreto, Alessandra Meini, Silvia Piconese, Marco Calvaruso, Nico Van Rooijen, Raffaella Bonecchi, Nadia Zaffaroni, Mario Paolo Colombo, Elda Tagliabue, Andrea Balsari <i>Anti-tumor activity of CpG-ODN aerosol in mouse lung metastases</i> International Journal of Cancer 2013 Jul 15;133(2):383-93</p>
<p>9) Michele Sommariva, Michelandrea De Cesare, Alessandra Meini, Alessandra Cataldo, Nadia Zaffaroni, Elda Tagliabue, Andrea Balsari <i>High efficacy of CpG-ODN, Cetuximab and Cisplatin combination for very advanced ovarian xenograft tumors</i> Journal of Translational Medicine 2013 Jan 29; 11:25</p>
<p>10) Loris De Cecco, Martina Berardi, Michele Sommariva, Alessandra Cataldo, Silvana Canevari, Delia Mezzanzanica, Marilena V. Iorio, Elda Tagliabue, Andrea Balsari <i>Increased sensitivity to chemotherapy induced by CpG-ODN treatment is mediated by microRNA modulation</i> PLoS One 2013;8(3):e58849</p>
<p>11) Davide Bedognetti, Tara L. Spivey, Yingdong Zhao, Lorenzo Uccellini, Sara Tomei, Mark E. Dudley, Maria L. Ascierto, Valeria De Giorgi, Qiuzhen Liu, Lucia G. Delogu, Michele Sommariva, Mario R. Sertoli, Richard Simon, Ena Wang, Steven A. Rosenberg, Francesco M. Marincola <i>CXCR3/CCR5 pathways in metastatic melanoma patients treated with adoptive therapy and interleukin-2</i> British Journal of Cancer 2013 Oct 29;109(9):2412-23</p>
<p>12) Zoltan Pos, Tara L. Spivey, Hui Liu, Michele Sommariva, Jinguo Chen, John R Wunderlich, Giulia Parisi, Sara Tomei, Ben D. Ayotte, David F. Stroncek, Joel A Malek, Paul F. Robbins, Licia Rivoltini, Michele Maio, Lotfi Chouchane, Ena Wang, Francesco M. Marincola <i>Longitudinal Study of Recurrent Metastatic Melanoma Cell Lines Underscores the Individuality of Cancer Biology</i> Journal of Investigative Dermatology 2013 Nov 22</p>
<p>13) Diego Cardani, Claudia Sardi, Barbara La Ferla, Giuseppe D’Orazio, Michele Sommariva, Fabrizio Marcucci, Daniela Olivero, Elda Tagliabue, Hermann Koepsell, Francesco Nicotra, Andrea Balsari, Cristiano Rumio <i>Sodium glucose cotransporter 1 ligand BLF501 as a novel tool for management of gastrointestinal mucositis</i> Molecular Cancer. 2014 Feb 5;13(1):23</p>
<p>14) Sara Tomei, Davide Bedognetti, Valeria De Giorgi, Michele Sommariva, Sara Civini, Jennifer Reinboth, Muna Al Hashmi, Maria Libera Ascierto, Qiuzhen Liu, Ben D. Ayotte, Andrea Worschech, Lorenzo Uccellini, Paolo A. Ascierto, David Stroncek, Giuseppe Palmieri, Lotfi Chouchane, Ena Wang, Francesco M. Marincola <i>The immune-related role of BRAF in melanoma</i> Molecular Oncology 2015 Jan;9(1):93-104</p>

<p>15) Maria L Ascierto, Federica Bozzano, Davide Bedognetti, Francesco Marras, Cathy Schechterly, Kentaro Matsuura, Antonino Picciotto, Simona Marengo, Yingdong Zhao, Valeria de Giorgi, Michele Sommariva, Lorenzo Moretta, Ena Wang, Harvey Alter, Francesco Marincola and Andrea De Maria <i>Inherent transcriptional signatures of NK cells are associated with response to IFNalpha + rivabirin therapy in patients with Hepatitis C Virus</i> Journal of Translational Medicine, 2015 Mar 1;13:77</p>
<p>16) Chiara Storti, Valentino Le Noci, Michele Sommariva, Elda Tagliabue, Andrea Balsari and Lucia Sfondrini <i>Aerosol Delivery in the Treatment of Lung Cancer</i> Current Cancer Drug Targets, 2015 15(7):604-12</p>
<p>17) Marianna Sabatino*, Jinhui Hu*, Michele Sommariva*, Sanjivan Gautam, Vicki Fellowes, James D. Hocker, Sean Dougherty, Haiying Qin, Terry J. Fry, Ronald E. Gress, James N. Kochenderfer, David F. Stroncek, Yun Ji, Luca Gattinoni <i>Generation of clinical-grade CD19-specific CAR-modified CD8⁺ memory stem cells for the treatment of human B-cell malignancies</i> Blood. 2016 Jul 28;128(4):519-28. *MS, JH and MS contributed equally to this work</p>
<p>18) Francesca Bianchi*, Michele Sommariva*, Loris De Cecco, Tiziana Triulzi, Sandra Romero-Cordoba, Elda Tagliabue, Lucia Sfondrini, Andrea Balsari <i>Expression and prognostic significance of the autoimmune regulator gene in breast cancer cells</i> Cell Cycle. 2016 Oct 18:0. *FR and MS contributed equally at this work</p>
<p>19) Valentino Le Noci, Michele Sommariva, Monica Tortoreto, Nadia Zaffaroni, Manuela Campiglio, Elda Tagliabue, Andrea Balsari and Lucia Sfondrini <i>Reprogramming the lung microenvironment by inhaled immunotherapy fosters immune destruction of tumor</i> Oncoimmunology. Accepted for publication</p>