

BIO-SKETCH

STEFANO GIOVAGNOLI PH.D.

ACADEMIC CV

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Personal Data	
Name	Stefano Giovagnoli
Address	Dept. Pharmaceutical Sciences, University of Perugia – Via del Liceo 1 Perugia 06123 Italy
Phone	+39 075 5855162 (office) +39 3487683556(mobile)
e-mail	stefano.giovagnoli@unipg.it
Date of birth	06-28-1972
Research interests and profile	<p>Prof. Giovagnoli research encompasses respirable powders for the treatment of pulmonary diseases, organic and inorganic nanoparticles for targeted and local delivery and the engineering of cells as drug delivery systems and therapeutic tools. A particular focus is directed on the development of novel strategies to the treatment of infectious diseases.</p> <p>He has more than 100 publications in international peer-reviewed journals and more than 120 presentations in international congresses, H index scopus = 30, google scholar = 34.</p>

Education

2007 – 2008	Postdoctoral studies with Prof. Patrick P. DeLuca at the University of Kentucky, KY, USA. Research-topics: microencapsulation of antischlerotic and antipsicotic drugs drugs, fast dissolving films for buccal delivery.
2002-2003	Visiting PhD Student in Pharmaceutical Technology. School of Pharmacy, University of Kentucky, KY, USA, with Professor Patrick P. DeLuca. Microencapsulation of proteins and peptides
2000-2003	PhD - Doctoral degree in Pharmaceutical Technology: Advisor Prof. Carlo Rossi, University of Perugia. Work on 'Novel strategies of microencapsulation'
1999-/2000	R&D researcher, Glaxo Wellcome, Ware, UK. Research-topics: injectable dosage forms

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1992 -1997	Degree in <i>Chemistry</i> at the University of Perugia - thesis work on: “Hydrodynamic modes in acetonitrile by Brillouin spectroscopy”
Academic Positions	
2019-present	Associate Deputy for Research and Innovation University of Perugia
2017 - present	Associate Professor of Pharmaceutical Technology and Biotechnology , Dept. Pharmaceutical Sciences, University of Perugia, Italy
2014- present	Member of the Doctoral Teachers Collegium , Department of Pharmaceutical Sciences, University of Perugia
2014-2017	Adjunct Professor of Pharmaceutical Technology and Biotechnology , Department of Pharmaceutical Sciences, University of Perugia.
2014	Visiting Professor of Pharmaceutical Technology , National and Capodistrian University of Athens, Athens, Greece
2014	Visiting Professor of Pharmaceutical Technology , Jagiellonian University, Krakow, Poland
2009 – 2013	Adjunct Professor of Pharmaceutical Technology and Biotechnology , Department of Chemistry and Technology of Drugs, University of Perugia.
2004 – 2007	Assistant Professor in Pharmaceutical Technology Dept. Chemistry and Technology of Drugs, University of Perugia
Awards	
2004	AAPS Outstanding Graduate Student Award in Pharmaceutical Technology sponsored by Solvay Pharmaceuticals and the American Association of Pharmaceutical Scientists (AAPS).

Editorial Activity

Editor in Chief of Recent Advances in Drug Delivery & Formulation

Associate Editor of Frontiers in Pharmacology

Guest Editor of Pharmaceutics

Guest Editor of International Journal of Molecular Sciences

Board Member of the Journal of Pharmaceutical Innovation, Pharmaceutics, Current Drug Discovery Technologies, Journal of Medicinal Chemistry and Research

Publications, books chapters and patents

1. Puccetti M, Gomes dos Reis L, Pariano M, Costantini C, Renga G, Ricci M, Traini D, Giovagnoli S. Development and in vitro-in vivo performances of an inhalable indole-3-carboxaldehyde dry powder to target pulmonary inflammation and infection. *Int. J. Pharm.* 607 (2021) 121004.
2. Schiavi, D.; Balbi, R.; Giovagnoli, S.; Camaioni, E.; Botticella, E.; Sestili, F.; Balestra, G.M. A Green Nanostructured Pesticide to Control Tomato Bacterial Speck Disease. *Nanomaterials* 2021, 11, 1852.
3. Costantini C, Nunzi E, Spolzino A, Palmieri M, Renga G, Zelante T, Englmaier L, Coufalikova K, Spáčil Z, Borghi M, Bellet MM, Acerbi E, Puccetti M, Giovagnoli S, Spaccapelo R, Talesa VN, Lomurno G, Merli F, Facchini L, Spadea A, Melillo L, Codeluppi K, Marchesi F, Marchesini G, Valente D, Dragonetti G, Nadali G, Pagano L, Aversa F, Romani L. Pharyngeal Microbial Signatures Are Predictive of the Risk of Fungal Pneumonia in Hematologic Patients. *Infect Immun.* 2021 Jul 15;89(8):e0010521.
4. Caricato D, Primavilla S, Scuota S, Ricci M, Perioli L, Marinozzi M, Giovagnoli S. Rojo Duro Red Onion Extract Loaded Spray Thermogel as a Sustainable Platform for the Treatment of Oral Mucosa Lesions. *J Pharm Sci.* 2021 Aug;110(8):2974-2985.
5. Puccetti, M.; Pariano, M.; Renga, G.; Santarelli, I.; D’Onofrio, F.; Bellet, M.M.; Stincardini, C.; Bartoli, A.; Costantini, C.; Romani, L.; Ricci, M.; Giovagnoli, S. Targeted Drug Delivery Technologies Potentiate the Overall Therapeutic Efficacy of an Indole Derivative in a Mouse Cystic Fibrosis Setting. *Cells* 2021, 10, 1601.
6. Pariano, M.; Pieroni, S.; De Luca, A.; Iannitti, R.G.; Borghi, M.; Puccetti, M.; Giovagnoli, S.; Renga, G.; D’Onofrio, F.; Bellet, M.M.; Stincardini, C.; Della-Fazia, M.A.; Servillo, G.; van de Veerdonk, F.L.; Costantini, C.; Romani, L. Anakinra Activates Superoxide Dismutase 2 to Mitigate Inflammasome Activity. *Int. J. Mol. Sci.* 2021, 22, 6531.
7. D’Onofrio, F.; Renga, G.; Puccetti, M.; Pariano, M.; Bellet, M.M.; Santarelli, I.; Stincardini, C.; Mosci, P.; Ricci, M.; Giovagnoli, S.; Costantini, C.; Romani, L. Indole-3-Carboxaldehyde Restores Gut Mucosal Integrity and Protects from Liver Fibrosis in Murine Sclerosing Cholangitis. *Cells* 2021, 10, 1622.
8. Elisa Rampacci, Maria Luisa Marenzoni, Rolando Cannalire, Donatella Pietrella, Stefano Sabatini, Stefano Giovagnoli, Tommaso Felicetti, Marco Pepe, Fabrizio Passamonti, Ethidium bromide exposure unmasks an antibiotic efflux system in *Rhodococcus equi*, *Journal of Antimicrobial Chemotherapy*, Volume 76, Issue 8, August 2021, Pages 2040–2048
9. Matteo Puccetti, Marilena Pariano, Monica Borghi, Carolina Barola, Simone Moretti,

- Roberta Galarini, Paolo Mosci, Maurizio Ricci, Claudio Costantini, Stefano Giovagnoli (2021). Enteric formulated indole-3-carboxaldehyde targets the aryl hydrocarbon receptor for protection in a murine model of metabolic syndrome. *INTERNATIONAL JOURNAL OF PHARMACEUTICS*, vol. 602, ISSN: 0378-5173.
10. Zelante, Teresa, Puccetti, Matteo, Giovagnoli, Stefano, Romani, Luigina (2021). Regulation of host physiology and immunity by microbial indole-3-aldehyde. *CURRENT OPINION IN IMMUNOLOGY*, vol. 70, p. 27-32, ISSN: 0952-7915.
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 13. Xiroudaki Styliani, Ianni Federica, Sabbatini Samuele, Roselletti Elena, Monari Claudia, Sardella Roccaldo, Vecchiarelli Anna, Giovagnoli Stefano (2021). Initial In Vivo Evaluation of a Novel Amikacin-Deoxycholate Hydrophobic Salt Delivers New Insights on Amikacin Partition in Blood and Tissues. *PHARMACEUTICS*, vol. 13, ISSN: 1999-4923, doi: 10.3390/pharmaceutics13010085
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- mucosa diseases. *European Journal of Pharmaceutical Sciences*, 2020;142:105-125.
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 42. Chiappalupi, S., Luca, G., Mancuso, F., Madaro, L., Fallarino, F., Nicoletti, C., Calvitti, M., Arato, I., Falabella, G., Salvadori, L., Di Meo, A., Bufalari, A., Giovagnoli, S., Calafiore, R., Donato, R., Sorci, G. Effects of intraperitoneal injection of microencapsulated Sertoli cells on chronic and presymptomatic dystrophic mice. (2015) *Data in Brief*, 5, pp. 1015-1021.
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