

CURRICULUM VITAE

Dr. Aurélie Schoubben

Place and date of birth: Liège, Belgium, 12/03/1979
Address: Strada Prezzonchio Vaie 1D, 06134, Perugia, Italy
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Studies:

2004-2007: Doctorate (Ph.D.) in Pharmaceutical Technology at the Department of Chemistry and Technology of Drugs, University of Perugia, Italy.

1997-2002: Degree in Pharmacy at the Université Libre de Bruxelles, Brussels, Belgium.

1991-1997: Scientific maturity at the Athénée Royal d'Arlon, Arlon, Belgium.

Skills and professional experiences:

Decembre 1st 2014: Abilitazione Scientifica Nazionale per la II fascia del settore concorsuale 03/D2.

From Academic Year 2013-2014: Teaching of Advanced Biomaterials and Regulatory aspects (35 + 36 hours).

From Academic Year 2010-2011: Teaching of Drug Targeting and Delivery (32 hours) and Advanced Biomaterials and Regulatory aspects (35 + 36 hours).

From Academic Year 2008-2009: Teaching of Drug Targeting and Delivery (32 hours) and Advanced Biomaterials (40 hours).

Academic Year 2007-2008: Teaching of Drug Targeting and Delivery (32 hours).

From January 1th 2008: Research Fellow at the Department of Chemistry and Technology of Drugs, University of Perugia, Italy.

May 2005 – November 2005: Visiting researcher at the University of Kentucky, Lexington (KY). Research on the agitation condition effect on the release profile of leuprolide loaded polylactic co-glycolic acid microspheres. Research on chewing-gum containing a peptide, study of the stability at different temperatures of the peptide as raw material and formulated in gums, release study from gums containing different concentrations of the peptide using a chewing-gum machine.

November 2004-November 2007: PhD student at the Department of Chemistry and Technology of Drugs, Università degli Studi di Perugia, Perugia, Italy, involved in a work of thesis entitled: Strategies for native proteins and peptides delivery.

November 2003 – November 2004: Grant at the Department of Chemistry and Technology of Drugs, Università degli Studi di Perugia, Perugia, Italy, on: Optimization of ferulic acid modified release formulations and ferulic acid stability study.

December 2002 – November 2003: Grant at the Department of Chemistry and Technology of Drugs, Università degli Studi di Perugia, Perugia, Italy, on: Development of ferulic acid modified release formulations for cosmetic use.

September 2002: Graduation in pharmacy at the Université Libre de Bruxelles, Brussels, Belgium.

April 1 – July 10, 2002: Socrates-Erasmus project and work of thesis on "Formulation of Colloidal Carriers: Preparation and Characterization of Eudragit Nanoparticles".

Languages:

French: Mother language

Italian: Fluent either spoken or written

English: Fluent either spoken or written

Memberships:

Associazione Docenti e Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche (ADRITELF), AAPS Italian University Network Student Chapter (AItUN), CRS Controlled Release Society Italy Chapter.

Award:

Award Italo Taddei from the Italian Society of Phytotherapy, June 4-6 2004 on "Development of ferulic acid modified release formulations for cosmetic use".

Award from the International Journal of Pharmaceutics for the Top Cited Article 2008-2010. The paper awarded is entitled: "Lipid nanoparticles for prolonged topical delivery: An in vitro and in vivo investigation" by Carmelo Puglia, Paolo Blasi, Luisa Rizza, Aurélie Schoubben, Francesco Bonina, Carlo Rossi and Maurizio Ricci.

Abstracts:

P. Blasi, **A. Schoubben**, S. Giovagnoli, M. Ricci, C. Rossi, Microparticelle composite per il rilascio controllato di ketoprofene, 5° corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Arcavacata di Rende 10-16 settembre 2005.

P. Blasi, **A. Schoubben**, S. Giovagnoli, M. Ricci, M. Centini, C. Anselmi, C. Rossi, Development of ferulic acid liposomal formulations. New Technologies in Preventing Photoinduced Skin Cancer and Photoaging World Congress, 19-21 October 2005, Siena, Italy.

P. Blasi, **A. Schoubben**, S. Giovagnoli, M. Ricci, M. Centini, C. Anselmi, C. Rossi, Development of ferulic acid liposomal formulations, New technologies in preventing photoinduced skin cancer and photoaging, Siena (SI), October 19-21 2005.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, C. Rossi, Optimization of the intercalation conditions of ferulic acid into a synthetic lamellar anionic clay. 2005 AAPS Annual Meeting and Exposition, Nashville, TN, USA, November 6-10 2005.

S. Giovagnoli, M. Ricci, P. Blasi, **A. Schoubben**, L. Perioli, C. Rossi, Development of liposomal capreomycin sulfate formulations: mathematical modeling of peptide encapsulation, 2005 AAPS Annual Meeting and Exposition, Nashville, TN, USA, November 6-10 2005.

S. Giovagnoli, P. Blasi, **A. Schoubben**, M. Ricci, C. Rossi, Capreomycin sulfate respirable liposome formulations for antitubercular therapy, XXXIII Annual Meeting and Exposition of the Controlled Release Society, Vienna (Ostrich), July 22-26 2006.

C. Puglia, P. Blasi, M. Ricci, S. Giovagnoli, **A. Schoubben**, C. Rossi, L. Rizza, F. Bonina, Nanostructured lipid carriers (NLC) for topical delivery of ketoprofen and naproxen, XX Simposio ADRITELF, Catania (Italy), October 4-7 2006.

C. Puglia, P. Blasi, M. Ricci, S. Giovagnoli, **A. Schoubben**, C. Rossi, L. Rizza, F. Bonina, Study on the optimization of SLN preparation technique using response surface method (RSM), XX Simposio ADRITELF, Catania (Italy), October 4-7 2006.

A. Schoubben, P.P. DeLuca, Effect of agitation conditions on the in vitro release of leuprolide loaded microspheres, 2006 AAPS Annual Meeting and Exposition, October 29 - November 2 2006, San Antonio, TX, USA.

J.A. Faraj, **A. Schoubben**, D.H. Na, K.P. Leung, P.P. DeLuca, Adsorption/desorption behavior of antimicrobial decapeptide KSL(W) on hydroxyapatite (HA), 2006 AAPS Annual Meeting and Exposition, October 29 - November 2 2006, San Antonio, TX, USA.

P. Blasi, S. Giovagnoli, **A. Schoubben**, M. Ricci, C. Rossi, Preparation and characterization of tween® 80 coated solid lipid nanoparticles for brain drug targeting, XIII International Pharmaceutical Technology Symposium, Antalya (Turkey), September 10-13 2006.

S. Giovagnoli, P. Blasi, **A. Schoubben**, M. Ricci, C. Rossi, Kynurenic acid delivery to the central nervous system: formulation of new kynurenic acid-cyclodextrin complex nanoparticles, XIII International Pharmaceutical Technology Symposium, Antalya (Turkey), September 10-13 2006.

P. Blasi, **A. Schoubben**, S. Giovagnoli, M. Ricci, C. Rossi, Plasticizing effect of ketoprofen on polylactide-co-glicolide, 2006 AAPS Annual Meeting and Exposition, October 29 - November 2 2006, San Antonio, TX, USA.

S. Giovagnoli, M. Ricci, P. Blasi, **A. Schoubben**, C. Rossi, On prednisone long-term release mechanism from biodegradable polymeric microspheres, 2006 AAPS Annual Meeting and Exposition, October 29 - November 2 2006, San Antonio, TX, USA.

S. Giovagnoli, P. Blasi, **A. Schoubben**, M. Ricci, C. Rossi, Polymeric and lipidic particulate systems for capreomycin delivery to the lungs, 16th International Symposium on Microencapsulation, September 9-12, 2007, Lexington, KY, USA.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, C. Rossi, Preparation and characterization of a novel composite alginate/PLGA microparticulate system for peptide and protein delivery, 2007 AAPS Annual Meeting and Exposition, November 11-15, 2007 San Diego, CA, USA.

- S. Giovagnoli, P. Blasi, **A. Schoubben**, M. Ricci, C. Rossi, New kynurenic acid containing polymeric nanoparticles for brain delivery, 2007 AAPS Annual Meeting and Exposition, November 11-15, 2007 San Diego, CA, USA.
- P. Blasi, R. Pennica, **A. Schoubben**, S. Giovagnoli, C. Rossi, A. Poletti, M. Ricci, Belousov-Zhabotinsky oscillating reactions for pharmaceutical peptide quantitative analysis, 2nd A.It.U.N. Annual Meeting, March 7-8, 2008 Perugia (PG) Italy.
- P. Blasi, S. Genovese, L. Ippoliti, F. Epifano, **A. Schoubben**, C. Rossi, M. Curini, M. Ricci, Preparation and characterization of GOFA-loaded lipid nanoparticles, 2008 AAPS Annual Meeting and Exposition, November 16-20, 2008 Atlanta, GA, USA.
- A. Schoubben**, P. Blasi, S. Giovagnoli, M. Ricci, C. Rossi, Optimization of alginate/PLGA composite microparticles, 2008 AAPS Annual Meeting and Exposition, November 16-20, 2008 Atlanta, GA, USA.
- P. Blasi, S. Giovagnoli, **A. Schoubben**, E. De Santis, C. Rossi, M. Ricci, Preparation and characterization of Tween 80 coated cetylpalmitate nanoparticles for brain drug targeting, 2008 AAPS Annual Meeting and Exposition, November 16-20, 2008 Atlanta, GA, USA.
- J. Faraj, P. Blasi, **A. Schoubben**, K.P. Leung, P.P. DeLuca, Incremental in vitro release of a decapeptide, KSL (W), and cetylpyridinium chloride, CPC, from a chewing gum formulation and their adsorption on hydroxyapatite, 2008 AAPS Annual Meeting and Exposition, November 16-20, 2008 Atlanta, GA, USA.
- F. Palazzo, S. Giovagnoli, P. Blasi, **A. Schoubben**, C. Rossi, M. Ricci, Development of inhalable microspheres for the treatment of pulmonary tuberculosis, 3rd A.It.U.N. Annual Meeting, March 6-7, 2009 Salerno (SA) Italy.
- E. De Santis, P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Rossi, M. Ricci, Lipid nanoparticles for targeted brain drug delivery, 3rd A.It.U.N. Annual Meeting, March 6-7, 2009 Salerno (SA) Italy.
- F. Palazzo, S. Giovagnoli, P. Blasi, **A. Schoubben**, C. Rossi, M. Calvitti, M. Ricci, Sviluppo di sistemi carrier per la veicolazione polmonare di farmaci antitubercolari di seconda linea, 9° corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Cagliari (CA) September 7-9, 2009.
- P. Blasi, T. Corazzi, S. Genovese, F. Epifano, **A. Schoubben**, C. Rossi, M. Curini, P. Gresele, M. Ricci, Effect of GOFA nanocrystals on human monocyte cyclooxygenase-2, XXI Simposio ADRITELF, September 10-13, 2009 Cagliari (CA) Italy.
- A. Schoubben**, P. Blasi, S. Giovagnoli, C. Puglia, F. Bonina, C. Rossi, M. Ricci, Production of fine powder for tuberculosis inhalation therapy, XXI Simposio ADRITELF, September 10-13, 2009 Cagliari (CA) Italy.
- A. Schoubben**, E. Cenci, F. Schiaffella, P. Blasi, L. Milanese, C. Rossi, A. Vecchiarelli, M. Ricci, R. Fringuelli, Nanoemulsion formulation of a new *Candida albicans* CYP51 inhibitor, 3rd BBBB, International Conference on Pharmaceutical Sciences, October 26-28, 2009 Antalya, Turkey, Eur. J. Pharm. Sci. 38 S (2009) 126-127.
- S. Giovagnoli, P. Blasi, G. Luca, F. Fallarino, M. Calvitti, F. Mancuso, **A. Schoubben**, M. Ricci, G. Basta, E. Becchetti, C. Rossi, R. Calafiore, Effect of SOD and KET release from biodegradable microspheres on the in vivo response to implanted ALG-PLO-ALG microcapsules, 3rd BBBB, International Conference on Pharmaceutical Sciences, October 26-28, 2009 Antalya, Turkey, Eur. J. Pharm. Sci. 38 S (2009) 131-133.
- P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Puglia, L. Barberini, C. Cirotto, C. Rossi, M. Ricci, Colloidal Dispersions for Targeted Brain Drug Delivery, 3rd BBBB, International Conference on Pharmaceutical Sciences, October 26-28, 2009 Antalya, Turkey, Eur. J. Pharm. Sci. 38 S (2009) 25-26.
- A. Schoubben**, P. Blasi, S. Giovagnoli, C. Rossi, M. Ricci, Production of capreomycin fine powder and loaded PLGA microparticles for tuberculosis inhalation therapy, 2009 AAPS Annual Meeting and Exposition, November 8-12, 2009 Los Angeles, CA, USA.
- P. Blasi, E. De Santis, **A. Schoubben**, S. Giovagnoli, C. Puglia, C. Rossi, L. Barberini, C. Cirotto, M. Ricci, In vivo biocompatibility studies on lipid nanoparticles, 2009 AAPS Annual Meeting and Exposition, November 8-12, 2009 Los Angeles, CA, USA.
- S. Giovagnoli, F. Palazzo, M. Calvitti, P. Blasi, **A. Schoubben**, C. Rossi, M. Ricci, Inhalable microparticulate carriers for the treatment of pulmonary tuberculosis, 2009 AAPS Annual Meeting and Exposition, November 8-12, 2009 Los Angeles, CA, USA.
- P. Blasi, **A. Schoubben**, S. Giovagnoli, G. Proietti, A. Poletti, C. Rossi, M. Ricci, Liposomal ferulic acid quantification using the Belousov-Zhabotinsky oscillator, 4th A.It.U.N. Annual Meeting, February 26-27, 2010 Napoli, Italy.
- A. Schoubben**, P. Blasi, S. Giovagnoli, C. Rossi, M. Ricci, Preparation of fine calcium alginate particles, Third Biotech Workshop - "Drug delivery systems for biotech products", March 24-25, 2010 Pavia, Italy.
- P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Rossi, M. Ricci, Nanoparticle production by a new generation spray-dryer, Third Biotech Workshop - "Drug delivery systems for biotech products", March 24-25, 2010 Pavia, Italy.

P. Blasi, **A. Schoubben**, S. Giovagnoli, L. Barberini, M. Ricci, C. Rossi, C. Cirotto, L'embrione di pollo come modello per la determinazione della biocompatibilità di materiali ad uso farmaceutico, "Gruppo Embriologico Italiano 56° Convegno", June 7-10, 2010 Perugia, Italy.

P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Rossi, M. Ricci, Alginate micro-and nanoparticle production by spray-drying, "Lactose as a carrier for inhalation products", September 26-28, 2010 Parma, Italy.

A. Schoubben, M. Marenzoni, P. Blasi, S. Giovagnoli, M. Ricci, C. Valente, C. Rossi, Production and in vitro evaluation of hydrophobic ion pair fine powders for tuberculosis inhalation therapy, "FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition", November 14 - 18, 2010 New Orleans, LA, USA.

P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Rossi, M. Ricci, Inhalable peptide powders produced by a Nano Spray Dryer B-90, "FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition", November 14 - 18, 2010 New Orleans, LA, USA.

S. Giovagnoli, P. Blasi, **A. Schoubben**, C. Rossi, M. Ricci, Novel ofloxacin and capreomycin sulfate loaded spray-dried composite particles for tuberculosis inhalation therapy, "FIP Pharmaceutical Sciences 2010 World Congress in Association with the AAPS Annual Meeting and Exposition", November 14 - 18, 2010 New Orleans, LA, USA.

P. Blasi, M. Andreassi, L. Barberini, **A. Schoubben**, P. Alberti, M. Ricci, C. Anselmi, C. Cirotto, C. Rossi, L. Andreassi, La vascularizzazione di derma umano operata dal corioallantoide di pollo, "Gruppo Embriologico Italiano (GEI) - LVII Convegno", June 5-8, 2011, Monteortone (Padova), Italy.

P. Blasi, M. Andreassi, L. Barberini, **A. Schoubben**, P. Alberti, M. Ricci, C. Anselmi, C. Cirotto, C. Rossi, L. Andreassi, Vascularization of human acellular dermis on chick chorioallantoic membrane, "2011 Annual Meeting of the Society for Investigative Dermatology", May 4-7, 2011 Phoenix, Arizona, USA.

P. Blasi, **A. Schoubben**, S. Giovagnoli, C. Rossi, M. Ricci, Rheological behaviour of solid lipid nanoparticles, 2011 AAPS Annual Meeting and Exposition, October 23-27, 2011, Washington, DC, USA.

A. Schoubben, M. Marenzoni, P. Blasi, S. Giovagnoli, M. Coletti, C. Rossi, M. Ricci, Aerodynamic assessment and in vitro evaluation of capreomycin oleate fine powder for tuberculosis therapy, 2011 AAPS Annual Meeting and Exposition, October 23-27, 2011, Washington, DC, USA.

S. Giovagnoli, M. Nocchetti, P. Sassi, P. Blasi, **A. Schoubben**, F. Palazzo, C. Rossi, M. Ricci, Physicochemical characterization of new palladium-antitubercular drug complexes potentially useful to improve tuberculosis inhalation therapy, 2011 AAPS Annual Meeting and Exposition, October 23-27, 2011, Washington, DC, USA.

E. Cassetti, P. Blasi, L. Barberini, **A. Schoubben**, C. Cirotto, M. Ricci, Preparation, characterization and in vivo biocompatibility of PLGA scaffolds, 6th AITUN Annual Meeting, March 8-9, 2012 Parma, Italy.

S. Giovagnoli, **A. Schoubben**, P. Blasi, M. Ricci, Improvement of drug powder micronization by statistical modeling of a spray drying process, Pharmaceutical Technology Symposium 2012, May 21-24, 2012, Singapore.

P. Blasi, L. Barberini, **A. Schoubben**, M. Ricci, C. Cirotto, Studi di tossicità e teratogenicità in embrione di pollo su nano particelle per applicazioni farmaceutiche e cosmetiche, "Gruppo Embriologico Italiano (GEI) - LVIII Convegno", June 13-15, 2012, Torino, Italy.

A. Schoubben, S. Giovagnoli, P. Blasi, M. Ricci, Effect of particle shape on the air jet milling process efficiency, 2012 AAPS Annual Meeting and Exposition, October 14-18, 2012, Chicago, IL, USA.

S. Giovagnoli, G. Luca, F. Mancuso, M. Calvitti, M. Piroddi, **A. Schoubben**, P. Blasi, F. Galli, M. Moretti, E. Becchetti, M. Ricci, R. Calafiore, Sertoli Cells as potential drug carriers: uptake and stability, 2012 AAPS Annual Meeting and Exposition, October 14-18, 2012, Chicago, IL, USA.

P. Blasi, **A. Schoubben**, S. Giovagnoli, M. Ricci, Freeze-drying and spray-drying of lipid nanoparticle suspensions, Frontiers in Water Biophysics 2012, September 23-26, 2012, Perugia, Italy.

P. Blasi, **A. Schoubben**, V. Romano, M. Ricci, Stability of lipid nanoparticles in physiological relevant media, Frontiers in Water Biophysics 2012, September 23-26, 2012, Perugia, Italy.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, Pulmonary delivery of capreomycin supergenerics: effects of device and capsule, PharmaTech 2012, International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology, November 21-21, 2012, Kuala Lumpur, Malaysia.

P. Blasi, **A. Schoubben**, L. Barberini, S. Levorato, M. Villarini, M. Moretti, C. Cirotto, M. Ricci, On the toxicity of lipid and metal oxide nanoparticles of pharmaceutical and cosmetic interest, PharmaTech 2012, International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology, November 21-21, 2012, Kuala Lumpur, Malaysia.

S. Giovagnoli, G. Luca, F. Mancuso, I. Arato, G. Falabella, M. Calvitti, M. Piroddi, D. Pietrella, **A. Schoubben**, P. Blasi, F. Galli, M. Moretti, E. Becchetti, M. Ricci, R. Calafiore, Sertoli cells as potential drug carriers to treat lung infections: a preliminary study, PharmaTech 2012, International Conference and Exhibition on Pharmaceutical, Nutraceutical and Cosmeceutical Technology, November 21-21, 2012, Kuala Lumpur, Malaysia.

A. Blandino, P. Blasi, C. Lico, L. Barberini, **A. Schoubben**, S. Baschieri, C. Cirotto, L. Santi, In vivo toxicity and teratogenicity evaluation of plant virus nanoparticles, 7th A.It.U.N. Annual Meeting, March 8-9, 2013 Perugia (PG) Italy.

B. Albertini, **A. Schoubben**, E. Cassetti, P. Blasi, M. Ricci, Synthesis and characterization of gold nanoparticles, 7th A.It.U.N. Annual Meeting, March 8-9, 2013 Perugia (PG) Italy.

B. Albertini, E. Cassetti, A. Schoubben, P. Blasi, M. Ricci, Sintesi e caratterizzazione di nanoparticelle di oro, XIII Summer School per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Arcavacata di Rende (CS) September 8-12, 2013.

A. Schoubben, S. Giovagnoli, P. Blasi, M. Ricci, Production of a capreomycin sulfate inhalable powder by nano spray-drying, Controlled Release Society Italy Chapter Workshop, Design and Industrial Development of Advanced Drug Delivery Systems, Pavia November 21-23, 2013.

B. Albertini, S.M.L. Greco, E. Cassetti, **A. Schoubben**, P. Blasi, M. Ricci, Gold nanoparticle size evaluation using different methods, Controlled Release Society Italy Chapter Workshop, Design and Industrial Development of Advanced Drug Delivery Systems, Pavia November 21-23, 2013.

P. Blasi, **A. Schoubben**, B. Albertini, M. Ricci, Lipid nanoparticles for targeted brain drug delivery, NanotechItaly 2013, Key Enabling Technologies for Responsible Innovation, Venice November 27-29, 2013.

B. Albertini, **A. Schoubben**, P. Blasi, M. Ricci, Effects of stabilizers on gold nanoparticle native size and stability, NanotechItaly 2013, Key Enabling Technologies for Responsible Innovation, Venice November 27-29, 2013.

P. Blasi, **A. Schoubben**, S. Giovagnoli, G. Proietti, A. Poletti, M. Ricci, Direct chemical quantification using an oscillating reaction, Hands-On Research in Complex Systems, Trieste July 1-12, 2013.

B. Albertini, E. Cassetti, **A. Schoubben**, S. Giovagnoli, P. Blasi, M. Ricci, Avoiding ketoprofen plasticization during microparticle manufacturing: the case of cyclodextrins, 8th A.It.U.N. Annual Meeting, March 6-7, 2014 Pavia (PV) Italy.

S. Casagrande, E. Cassetti, **A. Schoubben**, S. Giovagnoli, P. Blasi, M. Ricci, Avoiding ketoprofen plasticization during microparticle manufacturing: the case of hydrotalcite, 8th A.It.U.N. Annual Meeting, March 6-7, 2014 Pavia (PV) Italy.

P. Blasi, L.L. Muldoon, B. Albertini, **A. Schoubben**, M. Ricci, E.A. Neuwelt, Lipid nanoparticles for theranostic applications, 2014 Blood Brain Barrier Meeting, March 20–22, 2014 Sunriver Resort in Sunriver, Oregon, USA.

B. Albertini, **A. Schoubben**, P. Blasi, M. Ricci, A. Temperini, Sintesi in fase liquida del pentapeptide GRGDG, XIV Summer School per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Arcavacata di Rende (CS) September 22-26, 2014.

B. Albertini, **A. Schoubben**, A. Temperini, P. Blasi, Synthesis and characterization of AuNPs decorated with the RGD-like peptide, ICTP Hands-On Research in Complex Systems School, Trieste, 28 Giugno-10 Luglio 2015.

S. Casagrande, R. Tiribuzi, G. Magri, L. Barberini, **A. Schoubben**, M. Ricci, G. Cerulli, P. Blasi, Mesenchymal stem cell adhesion, growth and differentiation on biodegradable chitosan/alginate-coated PLGA scaffold, 9th A.It.U.N. Annual Meeting, Milan, Italy, May 25-27, 2015.

S. Giovagnoli, D. Pietrella, G. Proietti, C. Santi, A. Carotti, **A. Schoubben**, M. Ricci, Ion pairing to enhance antibiotic drug efficacy. A new approach to fight problematic infections? Spanish-Italian Medicinal Chemistry Congress, Barcellona, Spagna, July 12-15, 2015.

S. Giovagnoli, D. Pietrella, A. Carotti, C. Santi, **A. Schoubben**, M. Ricci, New antitubercular drug-bile acid ion pairs as potential active compounds for TB inhalation therapy, 3rd International meeting on inhaled therapies for tuberculosis and other infectious diseases, Parma, Italy, 14-16 October, 2015.

Oral communications:

A. Schoubben, P. Blasi, M. Ricci, U. Costantino, A. Rossi, C. Rossi, Development of ferulic acid modified release formulations for cosmetic use, 9th National Congress of Phytotherapy in Salsomaggiore Terme (PR), Italy, 30 May-1 June 2003.

A. Schoubben, P. Blasi, M. Ricci, U. Costantino, A. Rossi, C. Rossi, New developments of ferulic acid intercalation in hydrotalcite, 10th National Congress of Phytotherapy in Fiuggi Terme (FR), Italy, 4-6 June 2004.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, C. Rossi, Microparticelle composite di acido poli (lattico-co-glicolico) ed alginato per l'incapsulamento di peptidi e proteine, 6° corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Arcavacata di Rende (CS) 9-15 settembre 2006.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, C. Anselmi, C. Rossi, Preparation and characterization of ferulic acid liposomal formulations, 2007 AITUN annual meeting, Pharmaceutical Technology & Drug Delivery, Ferrara, March 9th 2007.

A. Schoubben, P. Blasi, S. Giovagnoli, M. Ricci, C. Rossi, Microparticelle composite di acido poli (lattico-co-glicolico) ed alginato per l'incapsulamento di insulina, 7° corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico – Farmaceutiche, Arcavacata di Rende (CS) 8-14 settembre 2007.

A. Schoubben, P. Blasi, A. Giontella, S. Giovagnoli, M. Ricci, Inhalation therapy for pulmonary infections, 7th Annual Thematic Workshop of CRS Italy Chapter, Nanomedicine: pharmacokinetic challenges, targeting and clinical outcomes, Firenze November 6th-8th, 2014.

Invited lecture:

A. Schoubben, Inhalation therapy for pulmonary tuberculosis treatment, 2nd Open Forum on Pharmaceutics and Biopharmaceutics, 26-27 April 2012, Istanbul, Turkey.

A. Schoubben, N. Wauthoz, F. Ianni, P. Blasi, K. Amighi, M. Ricci, Aerodynamic properties and pharmacokinetics of capreomycin oleate supergenerics, 3rd International meeting on inhaled therapies for tuberculosis and other infectious diseases, Parma, Italy, 14-16 October, 2015.

Publications in Peer-Reviewed Journal

2016

F. Ianni, **A. Schoubben**, D. Montesano, N. Wauthoz, L. Cossignani, R. Sardella, B. Natalini, Quantitative assay of capreomycin oleate levels in a drug formulation for inhalation with a fully validated HPLC method, J. Pharm. Biomed. Anal. 120 (2016) 413-418. IF 2.979

2015

S. Giovagnoli, G. Luca, P. Blasi, F. Mancuso, **A. Schoubben**, I. Arato, M. Calvitti, G. Falabella, G. Basta, M. Bodo, R. Calafiore, M. Ricci, Alginates in pharmaceuticals and biomedicine: is the future so bright?, Curr. Pharm. Design 21 (2015) 4917-4935. IF 3.472

A. Schoubben, A. Cavicchi, L. Barberini, A. Faraon, M. Berti, P. Blasi, L. Postriotti, M. Ricci, Dynamic behavior of a spring-powered micronozzle needle-free injector, Int. J. Pharm. 491 (2015) 91-98. IF 3.650

B. Albertini, N. Iraci, **A. Schoubben**, S. Giovagnoli, M. Ricci, P. Blasi, C. Rossi, β -cyclodextrin hinders PLGA plasticization during microparticle manufacturing, J. Drug Deliv. Sci. Tec. 30 (2015) 375-383. IF 0.476

B. Albertini, **A. Schoubben**, D. Guarnaccia, F. Pinelli, M. Della Vecchia, M. Ricci, G. Di Renzo, P. Blasi, Effect of fermentation and drying on cocoa polyphenols, J. Agr. Food Chem. 63 (2015) 9948-9953. IF 2.912

A. Schoubben, P. Blasi, A. Giontella, S. Giovagnoli, M. Ricci, Powder, capsule and device: An imperative *ménage à trois* for respirable dry powders, Int. J. Pharm. 494 (2015) 40-48. IF 3.650

2014

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