

## Curriculum Vitae

**Arianna Carolina Rosa, PhD, PharmD**

### PERSONAL INFORMATION

Family name, First name: **ROSA, Arianna Carolina:**

Research ID: **C-5250-2015**

Date of birth: **25/06/1977**

Nationality: **Italian**

URL for web site:

[http://www.dstf.unito.it/unitoWAR/page/dipartimenti3/D025/D025\\_il\\_dipartimento2?path=/BEA%20Repository/4830057](http://www.dstf.unito.it/unitoWAR/page/dipartimenti3/D025/D025_il_dipartimento2?path=/BEA%20Repository/4830057)

### EDUCATION

**21/02/2007 PhD in Drug Science;** Faculty of Pharmacy, University of Turin, Italy

**18/07/2003 Master Degree in Pharmacy** Faculty of Pharmacy, University of Turin, Italy

### CURRENT POSITION(S)

**29th December 2015-present: Visitor Scientista the School of Biological & Biomedical Sciences, Science Park, Durham University (UK)** within the World Wide Style 2 Program of the Univerity of Turin.

**2006-present: Lecturer (Ricercatore Confermato) in Pharmacology,** Dept. of *Scienza e Tecnologia del Farmaco*, ex-Faculty of Pharmacy, University of Turin, Italy

### PREVIOUS POSITIONS

**21th March 2011 - 7th April 2011 Visitor Scientist at the School of Biological & Biomedical Sciences, Science Park, Durham University (UK) within a COST Action BM0806 Short Term Scientific Mission (STSM),** under the supervision of Dr. Paul L Chazot (Vice Chair), with a project entitled "Expression analysis and localization of H<sub>4</sub> receptors in the kidney"

### FELLOWSHIPS AND AWARDS

**2015:** Research Fellowship within the World Wide Style 2 Program of the Univerity of Turin

**2013:** Early Stage Research Award received from COST Action BM0806 for the contribution "The histamine H4 receptor in the kidney" Final Conference of COST Action BM0806 – Advance in Histamine H4R Research (21-23 March 2013, Cape Sounion, Athens Grece)

**2012:** Early Stage Research Award received from COST Action BM0806 for the contribution "The histamine H4 receptor is overexpressed in the kidney of diabetic rats" presented at the European Histamine Research Society 41<sup>st</sup> Annual Meeting held jointly with COST Action BM0806 (2-5 May 2012, Belfast)

**2009/2010/2011/2012/2013/2014:** "SIF-Farmaci in evidenza" and "SIF-Farmacogenetica" collaborators Award received from The Italian Society of Pharmacology, Italy

**2006:** Top cited research paper 2006 for the article "Modulation of the oxidative stress and inflammatory response by PPAR- $\gamma$  agonists in the hyppocampus of rats exposed to cerebral ischemia/reperfusion" Eur J Pharmacol 2006; 530: 70-80

**2003:** three year PhD scholarship from University of Turin, Italy

### SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

**2014-2015:** Supervisor of 1 Postdoctoral Fellow, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**2013-2016:** Scientific supervisor of 1 PhD Student, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**2013-2014:** Supervisor of 2 Master Students in Pharmaceutical Chemistry and Technology, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**2006-present:** Supervisor of more than 20 Bachelor Degree Student on Medical Sales Representative and 1 Bachelor Dergee Student on Nursing registred Degree, University of Turin, Italy

**TEACHING ACTIVITIES**

**2012-2013/2013-2014/2014-2015 Teacher of the module** “Pharmacology I and Pharmacology II” Nursing registered Degree, University of Turin, Italy

**2011-2012/2012-2013/2013-2014/2014-2015 Teacher** of “Pharmacovigilance insight” Degree on Pharmacy, University of Turin, Italy

**2012-2013/2013-2014 Teacher of** “Pharmacovigilance” School for clinical Pharmacist, University of Turin, Italy

**30/01/2013-1/02/2013 Expert for the module** “*In vitro* models to evaluate leukocyte trafficking”, COST BM0806 Training School Pharmacological models of inflammatory and immunological disorders, Trinity College, Dublin, Ireland

**January 2011 Teacher of** “Molecular basis of the physio-pharmacology of metabolic diseases” for the Ph.D. Program in Pharmaceutical and Biomolecular Sciences of PhD School of Natural Sciences and Innovative Technologies, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**2010-2011/2011-2012 Teacher of** “Pharmacology and Therapeutics” and “Toxicology and Pharmacovigilance”, Degree on Medical Sales Representative, Faculty of Pharmacy, University of Turin, Italy

**INSTITUTIONAL RESPONSIBILITIES**

**2006-present:** Graduate Student Advisor, Dept. of *Scienza e Tecnologia del Farmaco*, ex-Faculty of Pharmacy, University of Turin, Italy, University of Turin, Italy

**2009-present:** Students with disabilities Contact Person, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**September 2014** Organizer of the Internal Seminar entitled *Histamine H4 receptor: potential new target for itch and neuropathic pain?* of Paul L Chazot for the Ph.D. Program in Pharmaceutical and Biomolecular Sciences of PhD School of Natural Sciences and Innovative Technologies, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**2013-2015:** Member of the Education Committee, Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

**COMMISSIONS OF TRUST**

**May 2015-present:** Elected Member of the Council of the European Histamine Research Society

**2011-2012:** Team Leader for a working group for the fulfilment of a Drug Handbook 2012

**2008-present:** Invited author for the Italian Journal “Punto Effe” writing articles on pharmacological issues

**2008-present:** Team Leader for the monthly section “Dipositivi medici in evidenza” on the on-line fortnightly newsletter “SIF-Farmaci in evidenza” published by the Italian Society of Pharmacology (<http://www.sifweb.org>)

**2007-present:** Reviewer for the on-line fortnightly newsletter “SIF-Farmaci in evidenza” published by the Italian Society of Pharmacology (<http://sifweb.org>) 2007-present

**MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

**2012-present:** Member of the European Association for the Study of Diabetes

**2011-present:** Member of the European Histamine Research Society

**2011-2013:** Active ESR Member of COST Action BM0806, joining the Working Group 2 - Physiological and pathophysiological importance of the H4R systems. [www.histamineresearch.com](http://www.histamineresearch.com)

**2005-present:** Member of The Italian Society of Pharmacology

**MAJOR COLLABORATIONS**

Dr. PL Chazot, Topic: histamine in diabetic nephropathy, School of Biological and Biomedical Sciences and Wolfson Research Institute, Durham University, UK

Dr. A. Pini, Topics: histamine in diabetic nephropathy and in lung fibrosis, new ocular formulation for corneal disease, Dept. Clinical and Experimental Medicine, Anatomy and histology section, University of Florence, Italy

Prof. G. Camussi and Dr. C. Grange, Topic: diabetic nephropathy models, Dept. Medical Science, University of Turin, Italy

Dr. R.L. Thurmond, Topic: histamine in diabetic nephropathy, Janssen Research and Development, LLC, USA.

Dr. S. Liu, Topic: histamine H<sub>3</sub>R receptor in diabetes complications, Ziarno Pharma, US

Prof. E. Masini, Topic: histamine and lung fibrosis, Dept. NEUROFARBA, Pharmacology Section, University of Florence, Italy

Prof. M. Ennis, Topic: lung diseases, [School of Medicine, Dentistry and Biomedical Sciences](#) and [Centre for Infection and Immunity](#), Queen's University, Belfast, UK

Dr. L. Filippi, Topic: New ocular formulation for corneal disease, *Terapia Intensiva Neonatale*, Azienda Ospedaliera Universitaria Meyer, Florence, Italy

Prof. R. Cavalli, Topic: New ocular formulation for corneal disease and development of in vitro model to assess drug oral bioavailability; Dept. of *Scienza e Tecnologia del Farmaco*, University of Turin, Italy

## RESEARCH SUPPORTS

Grant progetti Ateneo/CSP 2012; PI

University of Turin Fund 2013; PI

University of Turin Fund 2014; PI

Grant Richieste Ordinarie 2015 from CRT Foundation; CoI

I have collaborated to the following research project:

**Regione Piemonte, Italy 2009** “Sindrome metabolica e rischio di ischemia renale: potenzialità terapeutiche di agonisti selettivi dei recettori PPARbeta/delta”

**Regione Piemonte, Italy 2008** za renale acuta: valutazione di efficacia di nuove terapie in modelli sperimentali”

**Italian Ministry of Education, University and Research, PRIN 2007** “Sindrome metabolica come fattore di rischio per l'ischemia-riperfusion: fasi sperimentali per nuove strategie terapeutiche contro il danno da infiammazione e da stress ossidativo”

**Italian Ministry of Education, University and Research, PRIN 2004** “Studio delle alterazioni biomolecolari e dei profili di espressione genica nel carcinoma coloretale e pancreatico: identificazione di possibili elementi prognostici e bersagli terapeutici nel sistema degli eicosanoidi e dei cannabinoidi” **Regione Piemonte, Italy 2002** “Studio di fattori che influenzano la trasformazione colon in epitelio adenomatoso”

I have extensive experience in studying receptors as new pharmacological targets. In particular, I was involved in projects probing the effects of celecoxib distinct from COX-2 inhibition; the neuroprotective effects of PPARgamma agonists on *in vivo* and *in vitro* models of ischemic injury. More recently, I have focused on the kidney as the end-organ of metabolic disease such as diabetes. During these past several years, I have also started important activity on drug information that gives me the opportunity to further develop my professional profile and the necessary skills to be a team leader by coordinating the monthly section “Dipositivi medici in evidenza” of the on-line fortnightly newsletter “SIF-Farmaci in evidenza” for the Italian Society of Pharmacology (<http://www.sifweb.org>), and being the team leader of a working group for the fulfillment of a Drug Handbook 2012. The interest in renoprotective pharmacological strategies led me to gain insight into the pathophysiological role of histamine receptors in the kidney. In the 2011, I joined the COST Action BM0806 Working Group 2 - Physiological and pathophysiological importance of the H<sub>4</sub>R systems (Leader: Prof. E Masini; University of Florence) as an Early Stage Researcher, performing an STSM at the University of Durham, under the supervision of Dr. Paul L Chazot. Here I broadened my experience and further developed my professional profile as a Lecturer in Pharmacology, integrating my methodological know-how with experimental techniques such as immunohistochemistry and production of polyclonal antibodies. During this STSM, I obtained exciting pilot data suggesting a possible role for H<sub>4</sub>R in the diabetic nephropathy which provides a strong rationale for further investigation in this field. These data were

awarded a COST Action BM0806 Early Stage Research Award at the EHRS 41st Annual Meeting held jointly with COST Action BM0806 (2-5 May 2012, Belfast). The relevance of these data allowed me to receive funding, as a PI, by Ateneo/CSP2012, with the project “H4 Histamine Receptor As A New Pharmacological Target For The Treatment Of Diabetic Nephropathy (HISDIAN)”. Thanks to this project I achieved novel data on the possible role for H4R in diabetic nephropathy (awarded with an “Early Stage Researcher Award” at the “Final Conference of COST Action BM0806; Advances in Histamine H4R Research”; Cape Sounion, Athens Greece 21-23 March 2013) and on the presence of H3R, which provides a strong rationale for further investigation in this field and are the bases for the present proposal. This project allowed me to attain my research independence as highlighted by two publications in 2015, where I am the corresponding author. In these years, I developed many new interactions and skill exchanges; I delivered a lecture session at the COST BM0806 Training School Pharmacological models of inflammatory and immunological disorders (30/01- 1/02/2013 Trinity College, Dublin) entitled “In vitro models to evaluate leukocyte trafficking” and I established continuative national and international collaborations. In particular, I established international multidisciplinary collaborations for the study of histamine in diabetic nephropathy which includes Dr. PL Chazot (President of the EHRS society), Prof. G. Camussi and Dr. C. Grange of the Department of Internal Medicine, Centre for Molecular Biotechnology and Centre for Research in Experimental Medicine (CeRMS), University of Turin, Dr. A. Pini Dept. Clinical and Experimental Medicine, Anatomy and histology section, University of Florence, Dr Rob Thurmond (Lead H4R drug developer, J&J Janssens, USA) and Dr Steve Liu (Ziarco Pharma).

### PEER-REVIEWED ORIGINAL PUBLICATIONS

Pini A\*, Chazot PL\*, Veglia E, Moggio A, **Rosa AC**. H<sub>3</sub> receptor renal expression in normal and diabetic rats. *Inflamm Res*. 2015 May;64(5):271-3. doi: 10.1007/s00011-015-0808-y. Epub 2015 Mar 7. PMID: 25745947

Veglia E, Grange C, Pini A, Moggio A, Lanzi C, Camussi G, Chazot PL, **Rosa AC**. Histamine receptor expression in human renal tubules: a comparative pharmacological evaluation. *Inflamm Res*. 2015 Apr;64(3-4):261-70. doi: 10.1007/s00011-015-0807-z. Epub 2015 Mar 1. PMID: 25725698

**Rosa AC**, Pini A, Lucarini L, Lanzi C, Veglia E, Thurmond RL, Stark H, Masini E. Prevention of bleomycin-induced lung inflammation and fibrosis in mice by naproxen and JNJ7777120 treatment. *J Pharmacol Exp Ther*. 2014 Nov;351(2):308-16. doi: 10.1124/jpet.114.215152. Epub 2014 Sep 2. PubMed PMID: 25185215.

Collino M, Rogazzo M, Pini A, Benetti E, **Rosa AC**, Chiazza F, Fantozzi R, Bani D, Masini E. Acute treatment with relaxin protects the kidney against ischaemia/reperfusion injury. *J Cell Mol Med*. 2013 Nov;17(11):1494-505. doi:10.1111/jcmm.12120. Epub 2013 Sep 20. PubMed PMID: 24079335; PubMed Central PMCID: PMC4117562.

**Rosa AC**, Fantozzi R. The role of histamine in neurogenic inflammation. *Br J Pharmacol*. 2013 Sep;170(1):38-45. doi: 10.1111/bph.12266. Review. PubMed PMID: 23734637; PubMed Central PMCID: PMC3764847.

Collino M, Rogazzo M, Pini A, Benetti E, **Rosa AC**, Fantozzi R, Bani D, Masini E. Acute treatment with relaxin attenuates the injury/dysfunction induced by renal ischemia/reperfusion injury. *Ital J Anat Embryol*. 2013;118(1 Suppl):74-6. PubMed PMID: 24640578.

**Rosa AC**, Grange C, Pini A, Katebe MA, Benetti E, Collino M, Miglio G, Bani D, Camussi G, Chazot PL, Fantozzi R. Overexpression of histamine H4 receptors in the kidney of diabetic rat. *Inflamm Res*. 2013 Apr;62(4):357-65. doi:10.1007/s00011-012-0587-7. Epub 2012 Dec 22.

Mondovi B, Fogel WA, Federico R, Calinescu C, Mateescu MA, **Rosa AC**, Masini E. Effects of amine oxidases in allergic and histamine-mediated conditions. *Recent Pat Inflamm Allergy Drug Discov*. 2013 Jan 1;7(1):20-34. Review. PubMed PMID: 22946464.

Miglio G, **Rosa AC**, Rattazzi L, Grange C, Camussi G, Fantozzi R. Protective effects of peroxisome proliferator-activated receptor agonists on human podocytes: proposed mechanisms of action. *Br J Pharmacol.* 2012 Oct;167(3):641-53. doi: 10.1111/j.1476-5381.2012.02026.x. PubMed PMID: 22594945; PubMed Central PMCID: PMC3449267.

**Rosa AC**, Rattazzi L, Miglio G, Collino M, Fantozzi R. Angiotensin II induces tumor necrosis factor- $\alpha$  expression and release from cultured human podocytes. *Inflamm Res.* 2012 Apr;61(4):311-7. doi: 10.1007/s00011-011-0412-8. Epub 2012 Jan 6. PubMed PMID: 2223068. IF 2,14 citation number (self-citation excluded): 5

Minelli R, Serpe L, Pettazzoni P, Minero V, Barrera G, Gigliotti C, Mesturini R, **Rosa AC**, Gasco P, Vivenza N, Muntoni E, Fantozzi R, Dianzani U, Zara GP, Dianzani C. Cholesteryl butyrate solid lipid nanoparticles inhibit the adhesion and migration of colon cancer cells. *Br J Pharmacol.* 2012 May;166(2):587-601. doi: 10.1111/j.1476-5381.2011.01768.x. PubMed PMID: 22049973; PubMed Central PMCID: PMC3417491.

Collino M, Benetti E, Miglio G, Castiglia S, **Rosa AC**, Aragno M, Thiemermann C, Fantozzi R. Peroxisome proliferator-activated receptor  $\beta/\delta$  agonism protects the kidney against ischemia/reperfusion injury in diabetic rats. *Free Radic Biol Med.* 2011 Jan 15;50(2):345-53. doi: 10.1016/j.freeradbiomed.2010.10.710. Epub 2010 Nov 1. PubMed PMID: 21047550.

Miglio G, **Rosa AC**, Rattazzi L, Grange C, Collino M, Camussi G, Fantozzi R. The subtypes of peroxisome proliferator-activated receptors expressed by human podocytes and their role in decreasing podocyte injury. *Br J Pharmacol.* 2011 Jan;162(1):111-25. doi: 10.1111/j.1476-5381.2010.01032.x. PubMed PMID: 20840470; PubMed Central PMCID: PMC3012410.

Miglio G, **Rosa AC**, Rattazzi L, Collino M, Lombardi G, Fantozzi R. PPAR $\gamma$  stimulation promotes mitochondrial biogenesis and prevents glucose deprivation-induced neuronal cell loss. *Neurochem Int.* 2009 Dec;55(7):496-504. doi: 10.1016/j.neuint.2009.05.001. Epub 2009 May 13. PubMed PMID: 19442697.

Miglio G, Rattazzi L, **Rosa AC**, Fantozzi R. PPAR $\gamma$  stimulation promotes neurite outgrowth in SH-SY5Y human neuroblastoma cells. *Neurosci Lett.* 2009 Apr 24;454(2):134-8. doi: 10.1016/j.neulet.2009.03.014. Epub 2009 Mar 11. PubMed PMID: 19429070.

Gallicchio M, Benetti E, **Rosa AC**, Fantozzi R. Tachykinin receptor modulation of cyclooxygenase-2 expression in human polymorphonuclear leucocytes. *Br J Pharmacol.* 2009 Feb;156(3):486-96. doi: 10.1111/j.1476-5381.2008.00033.x. Epub 2009 Jan 16. PubMed PMID: 19154444; PubMed Central PMCID: PMC2697683.

Gallicchio M, Benetti E, **Rosa AC**, Fantozzi R. Substance P-induced cyclooxygenase-2 expression in polymorphonuclear cells. *Inflamm Res.* 2008;57 Suppl 1:S17-8. doi: 10.1007/s00011-007-0608-0. PubMed PMID: 18345509.

Gallicchio M, **Rosa AC**, Dianzani C, Brucato L, Benetti E, Collino M, Fantozzi R. Celecoxib decreases expression of the adhesion molecules ICAM-1 and VCAM-1 in a colon cancer cell line (HT29). *Br J Pharmacol.* 2008 Mar;153(5):870-8. Epub 2007 Dec 17. PubMed PMID: 18084318; PubMed Central PMCID: PMC2267284.

Dianzani C, Brucato L, Gallicchio M, **Rosa AC**, Collino M, Fantozzi R. Celecoxib modulates adhesion of HT29 colon cancer cells to vascular endothelial cells by inhibiting ICAM-1 and VCAM-1 expression. *Br J Pharmacol.* 2008 Mar;153(6):1153-61. Epub 2007 Dec 17. PubMed PMID: 18084316; PubMed Central PMCID: PMC2275462.

Gallicchio M, **Rosa AC**, Benetti E, Collino M, Dianzani C, Fantozzi R. Substance P-induced cyclooxygenase-2 expression in human umbilical vein endothelial cells. *Br J Pharmacol.* 2006 Mar;147(6):681-9. PubMed PMID: 16432508; PubMed Central PMCID: PMC1751347.

Collino M, Aragno M, Mastrocola R, Gallicchio M, **Rosa AC**, Dianzani C, Danni O, Thiemermann C, Fantozzi R. Modulation of the oxidative stress and inflammatory response by PPAR-gamma agonists in the hippocampus of rats exposed to cerebral ischemia/reperfusion. *Eur J Pharmacol.* 2006 Jan 13;530(1-2):70-80. Epub 2005 Dec 28. PubMed PMID: 16386242.

## BOOKS CHAPTERS

Pini A, Veglia E, **Rosa AC**. Histamine and the kidney: *in vivo* animal models. *Springer Protocols* 'Histamine Receptors as Drug Targets' 2016 *in press*

Pini A, Veglia E, Grange C, **Rosa AC**. Methodological approaches to study histamine pharmacology in the kidney: from cell culture and cell imaging to functional assays and electron microscopy. *Springer Protocols* 'Histamine Receptors as Drug Targets' 2016 *in press*

## INVITED SPEAKER

**Rosa AC**. Histamine and diabetic nephropathy. School of Biological & Biomedical Sciences ed il Wolfson Research Institute for Health and Wellbeing, University of Durham, UK 15 March 2016

**Rosa AC**. Le differenze di genere nella valutazione clinica dei farmaci (*Gender differences in the clinical evaluation of drug efficacy*). Centro Regionale Antidoping AOU San. Luigi Gonzaga, Orbassano, Turin, Italy 27 November 2016.

**Rosa AC**. I nuovi anticoagulanti orali (*The new anticoagulants therapy*). CISAF (collegio Indipendente Subalpino Arti Farmaceutiche) Turin, Italy 27 November 2013.

**Rosa AC**. Il diabete: un'epidemia in espansione (*The Diabetes: a growing epidemy*). Pomaretto, Turin, Italy 6 December 2013.

**Rosa AC**. *In vitro* models to evaluate leukocyte trafficking. Training School: Pharmacological Models of Inflammatory and Immunological Disorders, Trinity College Dublin, Ireland 30/1-1/2/2013

**Rosa AC**. Informazione indipendente dove reperirla (*Independent information on drugs: where found it*). Corso CEFPAS Consumo dei farmaci e appropriatezza prescrittiva Caltanissetta, Italy 9-10 March 2009.

**Rosa AC**. Il diabete in farmacia (*The pharmacy management of Diabetes*). Corso ECM della Facoltà di Farmacia, Turin, Italy 28 May 2009

**Rosa AC**. Independent drug information as a tool for a better prescribing appropriateness: the experience of "Farmaci in evidenza" a newsletter from the Italian Society of Pharmacology. 34° Congresso Nazionale della Società Italiana di Farmacologia – Rimini, Italy 14- 17 October 2009.

## PEER-REVIEWED CONFERENCE PROCEEDINGS

Pini A, Veglia E, Grange C, Argenziano M, Cavalli R, Fantozzi R, Thurmond RL, Chazot PL, **Rosa AC**. JNJ 39758979 prevents the progression of diabetic nephropathy. *Inflammation Research* 2016 *In press*

Pini A, Chazot PL, **Rosa AC**. Parallel hierarchical intra-strain difference between the susceptibility to diabetic nephropathy and renal histamine receptor expression. *Inflammation Research* 2016 *In press*

Veglia E, Pini A, Moggio A, Grange C, Fantozzi R, Chazot PL, **Rosa AC**. Histamine Affects the Glomerular Slit Diaphragm Integrity Through H1R. *Inflammation Research* 2015 July; 64 (Suppl1) S41

Veglia E, Grange C, Pini A, Camussi G, Chazot PL, Fantozzi R, **Rosa AC**. Functional identification of the H4R in the human kidney. *Inflammation Research* 2014 Sep; 63 S22-23

Veglia E, Grange C, Pini A, Camussi G, Chazot PL, **Rosa AC**. Histamine H3 receptor expression in the human kidney. *Inflammation Research* 2014 Sep; 63 S13

**Rosa AC**, Grange C, Pini A, Katebe MA, Benetti E, Collino M, Miglio G, Bani D, Camussi G, Chazot PL, Fantozzi R. Histamine H<sub>4</sub> receptors are present in the kidney of diabetic rats. *Diabetologia*. 2012; 55: S459

**Rosa AC**, Rattazzi L, Miglio G, Fantozzi R. Angiotensin II promotes cytokine production in human podocytes *BCPT* 107 (s1): 548

Miglio G, **Rosa AC**, Rattazzi L, Fantozzi R. Nuclear receptor targets for treatment of diseases peroxisome proliferator-activated receptor (PPAR) agonists protect podocytes from human kidney against cell death induced by oxygen/glucose deprivation-reoxygenation. *BCPT* 107 (s1): 456

## CONFERENCE PROCEEDINGS

### International Conferences

Pini A, Veglia E, Grange C, Argenziano M, Cavalli R, Fantozzi R, Thurmond RL, Chazot PL, **Rosa AC**. JNJ 39758979 prevents the progression of diabetic nephropathy. *45th Annual Meeting of the European Histamine Research Society (EHRS), Florence, Italy, May 11-14, 2016*

Pini A, Chazot PL, **Rosa AC**. Parallel hierarchical intra-strain difference between the susceptibility to diabetic nephropathy and renal histamine receptor expression. *45th Annual Meeting of the European Histamine Research Society (EHRS), Florence, Italy, May 11-14, 2016*

Veglia E, Pini A, Moggio A, Grange C, Fantozzi R, Chazot PL, **Rosa AC**. Histamine Affects the Glomerular Slit Diaphragm Integrity Through H<sub>1</sub>R. *44rd Annual Meeting of the European Histamine Research Society (EHRS), Malaga, Spain, May 6-9, 2014*

Veglia E, Moggio A, Pini A, Grange C, Chazot PL, **Rosa AC**. Histamine Reduces ZO-1 Tight-Junction Protein Expression in Human Immortalized Podocytes. *Queen Elizabeth II Conference Centre London Pharmacology 2014, London December 16-18, 2014*

Veglia E, Grange C, Pini A, Camussi G, Chazot PL, Fantozzi R, **Rosa AC**. Functional identification of the H4R in the human kidney. *43rd Annual Meeting of the European Histamine Research Society (EHRS), Lyon, France, May 7-10, 2014*

Veglia E, Grange C, Pini A, Camussi G, Chazot PL, **Rosa AC**. Histamine H3 receptor expression in the human kidney. *43rd Annual Meeting of the European Histamine Research Society (EHRS), Lyon, France, May 7-10, 2014*

**Rosa AC**, Grange C, Veglia E, Pini A, Katebe MA, Chazot PL, Fantozzi R. Histamine H4 receptor in the kidney. *Final Conference of COST Action BM0806; Advances in Histamine H4R Research, Cape Sounion, Athens, Greece 21-23 March 2013*

**Rosa AC**, Grange C, Pini A, Katebe MA, Benetti E, Collino M, Miglio G, Bani D, Camussi G, Chazot PL, Fantozzi R. Histamine H4 receptors are present in the kidney of diabetic rats. *European Association for the Study of Diabetes 48th Annual Meeting Berlin, Germany 1-5 October 2012*

**Rosa AC**, Grange C, Katebe MA, Benetti E, Collino M, Miglio G, Camussi G, Chazot PL, Fantozzi R. H<sub>4</sub> receptor is overexpressed in the kidney of diabetic rats *European Histamine Research Society 41<sup>st</sup> Annual Meeting held jointly with COST Action BM0806 2-5 May 2012 Belfast – Northern Ireland, UK*

**Rosa AC**, Rattazzi L, Miglio G, Fantozzi R. Angiotensin II promotes cytokine production in human podocytes *WorldPharma 2010 – Copenhagen, Denmark 17-23 July 2010*

Miglio G, **Rosa AC**, Rattazzi L, Fantozzi R. Nuclear receptor targets for treatment of diseases peroxisome proliferator-activated receptor (PPAR) agonists protect podocytes from human kidney against cell death induced by oxygen/glucose deprivation-reoxygenation. *WorldPharma 2010 – Copenhagen, Denmark 17-23 July 2010*

Benetti E, **Rosa AC**, Gallicchio M, Fantozzi R. Substance P-induced cyclooxygenase-2 expression in polymorphonuclear cells. *European histamine research society. XXXVI Annual Meeting – Firenze 9-12 maggio, 2007.*

### National conferences

Veglia E, Pini A, Moggio A, Grange C, Chazot PL, Fantozzi R, **Rosa AC**. Histamine receptor distribution along the nephron. *37° Congresso Nazionale Della Società Italiana Di Farmacologia, 27-30 October 2015, Naples Italy*

Veglia E, Pini A, Moggio A, Grange C, Chazot PL, Fantozzi R, **Rosa AC**. H1 histamine receptor affects the integrity of glomerular slit diaphragm. *37° Congresso Nazionale Della Società Italiana Di Farmacologia, 27-30 October 2015, Naples Italy*

Veglia E, Grange C, Camussi G, Chazot PL, Fantozzi R, **Rosa AC**. Histamine receptors are expressed in human kidney. *36° Congresso Nazionale Della Società Italiana Di Farmacologia, 23-26 October 2013, Turin Italy*

Luppino MR, **Rosa AC**, Casale F, Cerbai E, Fantozzi R, “SIF-Farmaci in evidenza” network. Independent drug information: the SIF Farm. *34° Congresso Nazionale della Società Italiana di Farmacologia - Rimini 14-17 Ottobre 2009.*

Miglio G, **Rosa AC**, Rattazzi L, Benetti E, Collino M, Fantozzi R. PPAR stimulation protects human podocytes from serum deprivation-induced cell death. *34° Congresso Nazionale della Società Italiana di Farmacologia - Rimini 14-17 Ottobre 2009.*

Collino M, Benetti E, Miglio G, Castiglia S, **Rosa AC**, Thiemermann C, Fantozzi R. PPAR-  $\beta/\delta$  activation protects against renal ischemia/reperfusion injury in diabetic rats. *34° Congresso Nazionale della Società Italiana di Farmacologia - Rimini 14-17 Ottobre 2009.*

Maria Rosa Luppino MR, **Rosa AC**, Casale F, Cerbai E, Fantozzi R, SIF-Farmaci in evidenza: una nuova iniziativa della Società Italiana di Farmacologia. *XVII Seminario Nazionale La valutazione dell'uso e della sicurezza dei farmaci: esperienze in Italia -Istituto Superiore di Sanità, Roma- 15 Dicembre 2008.*

Collino M, Miglio G, **Rosa AC**, Castiglia S, Rattazzi L. Modulazione farmacologica della patologia ischemica: studio degli effetti dei ligandi di PPAR. *Giornata della Ricerca, Dip. Di Anatomia, farmacologia e Medicina Legale, Università degli Studi di Torino, Torino 13 Giugno 2008.*

Gallicchio M, **Rosa AC**, Dianzani C, Fantozzi R. Celecoxib decreases ICAM-1 and VCAM- 1 expression in HT29 cell line. *Inflammation and Cancer: International workshop – Rozzano, Milano 8-9 Novembre, 2007.*

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