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Research Associate/ Post-Doctoral Fellow

AYALA LAB

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Primary Research Field

Immunology and infection

Education

2010-2013 PhD in Immunology, Cochin Institute Centre de Recherché, Paris, France

2008-2010 Masters in Biochemistry, Université Paris Diderot, Dept. of Life Sciences, Paris, France

2006-2008 Bachelor Degree in Life Sciences, Aix-Marseille Université, Marseille, France

Professional Experience

2004-2009 La Poste, Financial Distribution Service, Marseille and Capbreton, France

2006 3S Marketing, Department of Study and Opinion Poll, Marseille, France

Work Experience

Research Associate/ Post-Doctoral Fellow – Div. Surg. Res./ Dept. Surgery, RI Hospital/Alpert Sch. Med. Brown Univ., Providence , RI, USA (2014-present)

Ecole Pratiques des Hautes Etudes, ‘Lipids, Nutrition, Cancer - LNC’, INSERM UMR866, Dijon, France (2014)

European Certification of project designer in animal testing

- Received training in animal testing and alternative method
- Gained experience in Bioethics, animal defense and animal testing regulation

Cochin Institute, UMR U1016 INSERM-CNRS-Paris V, Paris, France (2009-2013)
Masters 2 and PhD in Immunology

- Received training in Cell Signaling, Immunology and Septic Shock

- Gained experience in protein activity assays, techniques of transfection, immunoprécipitation and site directed mutagenesis

Aix-Marseille University, Marseille, France (2007-2008)

Bachelors degree in Life Sciences

- Received training in cross-breeding of *Drosophila*, *Arabidospis taliana* culture and prokaryotes culturing
- Gained experience in Immunofluorescence and techniques of Electrophoresis, Spectometry, and Chromatography

Awards, Honors, Fellowships, Grants

- **Rossi AL**, 3rd Place Poster in Basic Science Category of the Investigator Award Competition at the 23rd Annual Research Celebration at Rhode Island Hospital, October 29, 2015.

Publications:

Peer Reviewed Publications:

- Toubiana J, **Rossi AL**, Grimaldi D, Belaidouni N, Chafey P, Clary G, Courtine E, Pene F, Mira JP, Claessens YE, Chiche JD. 2011. IMPDHII inhibits toll-like receptor 2-mediated activation of NF- κ B. *J Biol Chem.* 286:23319.
- Toubiana J, **Rossi AL**, Belaidouni N, Grimaldi D, Pene F, Chafey P, Comba B, Camoin L, Bismuth G, Claessens YE, Mira JP, Chiche JD. 2015. Src-family-tyrosine kinase Lyn is critical for TLR2-mediated NF- κ B activation through the PI 3-kinase signaling pathway. *Innate Immun.* 21:685-97

Published Abstracts:

- **Rossi AL**, Toubiana J, Claessens YE, Grimaldi D, Courtine E, Chafey P, Belaidouni N, Comba B, Pene F, Camoin L, Bismuth G, Mira JP, Chiche JD. Lyn controls the P13-Kinase pathway to NF- κ B activation after stimulation of Toll-like receptor 2. *J Leuko. Biol.*
- **Rossi AL**, Le M, Matoso A, Chen Y, Xu S, Chun TT, Erickson CP, Chung C-S, Ayala A. 2016. PD-L2 as new target to improve sepsis outcomes. *Shock* 45:(in press).

Oral Presentations:

- Rossi AL. 2013. Role de IMPDHII dans les mécanismes d'activation de TLR2. Ph.D Day. Cochin Insitute, *Paris, France*.
- Rossi AL. 2015. New regulators of pathway TLR2-NF- κ B. Division of Surgical Research Seminar Series, Rhode Island Hospital, *Providence, RI, USA*.

Poster Presentations:

- **Rossi AL, Toubiana J, Belaidouni N, Grimaldi D, Chafey P, Pene F, Mira JP, Chiche JD. 2011. IMPDHII-SHP1 complex inhibits Toll-like Receptor 2-mediated Activation of NF- κ B. *GC2ID Forum, Paris, France.***
- **Rossi AL, Le M, Chen Y, Matoso A, Xu S, Chun TT, Erickson CP, Chung C-S, Ayala A. 2015. PD-L2, new target to attenuate sepsis-induced liver injury in a mouse CLP model. *23rd Annual RI Hospital Res. Celeb., Providence, RI, USA.***

Last updated: 2/8/2016