

CURRICULUM VITAE

Name: Marco A. Briones-Orta.

Date of Birth: May 11, 1975.

Place of Birth: Mexico City, Mexico.

Work place: Liver Repair and Regeneration Group, Institute of Hepatology; Foundation for Liver Research, London, WC1E 6HX, UK.

E. mail work: m.briones-orta@researchinliver.org.uk

EDUCATION

- **Ph. D.** in Sciences (Biochemistry). School of Chemistry and Cellular Physiology Institute, National Autonomous University of Mexico (2003 – 2006). Thesis: “SnoN co-repressor binds and represses smad7 gene promoter”.
- **Master in Sciences.** (Biochemistry). School of Chemistry, National Autonomous University of Mexico. (2000 -2002). Thesis: “Functional study of two elements of regulation in the 3' side of the alpha-globin locus of chicken”
- **Biologist.** School of Sciences. National Autonomous University of Mexico. (1994-2000). Thesis: “Effects of inhibitor of energetic metabolism of Helicobacter pylori”

CURRENT POSITION & PREVIOUS APPOINTMENTS

- **Postdoctoral position.** Liver Repair and Regeneration Group, Institute of Hepatology; Foundation for Liver Research 2012-to date.
Honorary Associate Research Fellow. Department of Biological Sciences, Birkbeck University of London. 2012-2015
- **Postdoctoral position.** Developmental Signalling Laboratory, Dr. Caroline Hill. London Research Institute. CR-UK. January 2008-2012.
- **Postdoctoral position.** Cell Biology and Development Department, Dr. Marina Macias-Silva, National Autonomous University of Mexico, 2007

Extracurricular Course

“Eukaryotic Gene Expression Course” July 23 – August 12, 2002. Cold Spring Harbor Laboratory.

FUNDING

- **“Marie Curie International Incoming Fellowships”.** Marie Curie Actions FP7. 2010-2012
- **Postdoctoral Fellowship** awarded by the National Council for Science and Technology, Mexico 2008 –2009.
- **Research Fellowship** awarded by Cancer Research UK. 2008-2010
- **PhD Fellowship** awarded by the National Council for Science and Technology, Mexico 2003 –2006.
- **PhD Fellowship** from the National Autonomous University of Mexico. DGEP, National Autonomous University of Mexico. 2003 – 2006.
- **Master in Science Fellowship** awarded by the National Council for Science and Technology. 2000 –2002.
- **Master in Science Fellowship** awarded by the National Autonomous University of Mexico. DGEP, UNAM. 2000 –2002.

- **Undergraduate Fellowship** awarded by the National Autonomous University of Mexico (PROBETEL), Fundación UNAM (Undergraduate student, biologist). 1998 - 1999.

PUBLICATIONS

- Vázquez-Victorio G, Caligaris C, Del Valle-Espinosa E, Sosa-Garrocho M, González-Arenas NR, Reyes-Cruz G, **Briones-Orta M.A.**, Macías-Silva M. 2015. Novel Regulation of Ski Protein Stability and Endosomal Sorting by Actin-Cytoskeleton Dynamics in Hepatocytes. *J Biol Chem*. Jan 5. pii: jbc.M114.579532. [Epub ahead of print]
- Coombes, J.D., Swiderska-Syn, M., Dollé, L., Reid, D., Eksteen, B., Claridge, L., **Briones-Orta, M.A.**, Shetty, S., Oo, Y.H., Riva, A., Chokshi, S., Papa, S., Mi, Z., Kuo, P.C., Williams, R., Canbay, A., Adams, D.H., Diehl, A.M., van, Grunsven, L.A., Choi, S.S. and Syn, W.K. 2014. Osteopontin neutralisation abrogates the liver progenitor cell response and fibrogenesis in mice. *Gut*. 2014. Jun 5
- **Briones-Orta, M.A.**, Levy, L., Madsen, C.D., Das, D., Erker, Y., Sahai, E., and Hill, C.S. 2013. Arkadia regulates tumor metastasis by modulation of the TGF- β pathway. *Cancer Research*. 73(6):1800-10
- Delgado-Coello B, **Briones-Orta MA**, Macías-Silva M, Mas-Oliva J. 2011. Cholesterol: recapitulation of its active role during liver regeneration. *Liver International*. 31(9):1271-1284.
- **Briones-Orta MA**, Tecalco-Cruz AC, Sosa-Garrocho M, Caligaris C, Macías-Silva M.. 2011. Inhibitory Smad7: Emerging Roles in Health and Disease. *Curr Mol Pharmacol*. 4(2):141-53.
- Delgado-Coello B, Bravo-Martínez J, Sosa-Garrocho M, **Briones-Orta MA**, Macías-Silva M, Mas-Oliva J. 2010. Plasma membrane calcium ATPase isoform 3 expression in single cells isolated from rat liver. *Mol Cell Biochem*. 344(1-2):117-24.
- Moreno-Alvarez P, Sosa-Garrocho M, **Briones-Orta MA**, González-Espinosa C, Medina-Tamayo J, Molina-Jijón E, Pedraza-Chaverri J, Macías-Silva M. 2010. Angiotensin II increases mRNA levels of all TGF-beta isoforms in quiescent and activated rat hepatic stellate cells. *Cells. Cell Biol Int*. 34(10):969-78.
- Macias-Silva M, **Briones-Orta MA**. 2009. SNO (SKIL). Targeted Protein Database. Current Biodata.
- **Briones-Orta MA**, Sosa-Garrocho M, Moreno-Alvarez P, Fonseca-Sanchez MA, Macias-Silva M. 2006. SnoN co-repressor binds and represses smad7 gene promoter. *Biochem Biophys Res Commun*. 341(3):889-894
- Vazquez-Macias A, Ruiz-Mendoza AB, Fonseca-Sanchez MA, **Briones-Orta MA**, Macias-Silva M. 2005. Downregulation of Ski and SnoN co-repressors by anisomycin. *FEBS Lett*. 579(17):3701-3706.

CONFERENCES

International

- Cell Signaling Networks. Merida, Yucatan. October 22-27, 2011. **Briones-Orta MA**, Debipriya Das, Chris Madsen, Laurence Levy, Erik Sahai, Caroline S Hill. "Arkadia function and its role in tumorigenesis".
- NCRI Cancer Conference, Birmingham, October, 2008. **Briones-Orta MA**, Levy, L, Hill CS. "Characterization of Arkadia function in the regulation of SnoN stability and its role as a tumour suppressor".
- 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006.

- Briones-Orta MA**, Sosa-Garrocho M, Moreno-Alvarez P, Fonseca-Sanchez MA, Macias-Silva M. Poster. SnoN corepressor binds and represses smad7 gene promoter.
- 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006.
Vazquez-Victorio G, Sosa-Garrocho M, **Briones-Orta MA**, Macias-Silva M. Poster. "SnoN and Ski co-repressors are regulated differentially by TGF- β in hepatocytes".
 - 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006.
Moreno-Alvarez P, **Briones-Orta MA**, Sosa-Garrocho P, Medina-Tamayo J, Gonzalez-Espinosa C, Macias-Silva M. Poster. "Regulation of TGF- β isoforms expression by Angiotensin II in Rat Hepatic Stellate Cells".
 - Gordon Research Conference "Growth Factor Signalling", Queen's College, Oxford. UK, 25-30 July, 2005.

TEACHING EXPERIENCE

- **Teacher of Biochemistry and Molecular Biology.** School of Medicine. National University of Mexico (UNAM). Sep 2002-Jan 2008.
- **Teacher assistant.** School of Sciences, Biology. National University of Mexico (UNAM). Biology of Prokaryotes. 2000.