**CURRICULUM VITAE**

DATE: August 20, 2018

NAME: Luis Ulloa, PhD PRESENT TITLE: Associate Professor

OFFICE ADDRESS: New Jersey Medical School. Rutgers University.

185 South Orange Avenue. MSB F673. Newark. 07103

TELEPHONE NUMBER/E-MAIL ADDRESS: Off: (973) 972-3971

[**Luis.Ulloa@Rutgers.edu**](mailto:Luis.Ulloa@Rutgers.edu)**;** [**Mail@LuisUlloa.com**](mailto:Mail@LuisUlloa.com)

CITIZENSHIP: USA

**EDUCATION**:

A. Undergraduate Graduate and Professional

University of Granada

Granada, Spain

BSc (Molecular Biology) June, 1989

University Autonoma Madrid

Madrid, Spain

MS (Biochemistry) June, 1991

B. Graduate and Professional University Autonoma Madrid Madrid, Spain

PhD (Cellular Biology) June, 1996

**POSTGRADUATE TRAINING:**

Memorial Sloan Kettering Cancer Center, NY

Cellular Biology, Biochemistry

Oct 1996 – Dec 1999

**ACADEMIC APPOINTMENTS:**

Member, Center for Immunology and Inflammation

New Jersey Medical School

Rutgers, State University of New Jersey

Associate Professor

July 2013-Present

Department of Surgery

New Jersey Medical School

Rutgers, State University of New Jersey

Associate Professor

July 2013-Present

Graduate School of Biomedical Sciences

Rutgers University Faculty Member July 2013-Present

UMDNJ-Graduate School of Biomedical Sciences

Faculty Member

May 2012- June 2013

Department of Surgery

UMDNJ New Jersey Medical School

Associate Professor

July 2009-June 2013

Department of Surgery

UMDNJ-New Jersey Medical School Director of Basic Science Research May 2007- June 2009

Department of Surgery

UMDNJ-New Jersey Medical School

Assistant Professor

May 2007-June 2009

North Shore University Hospital

Adjunct Investigator

April 2007- 2010

North Shore University Hospital

Assistant Investigator

Jan 2000-April 2007

Memorial Sloan Kettering Cancer Center, NY Cellular Biology, Biochemistry

Oct 1998 – Dec 1999

**HOSPITAL APPOINTMENTS:**

Department of Cellular Biology

Memorial Sloan Kettering Cancer Center

Scientific Investigator

Jan1998 – Dec 1999

Department of Pathology

North Shore University Hospital

Assistant Investigator

Jan 2000-Sept 2004

**MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

*The American Heart Association*

*Member*

*2010-present*

*The American Association of Immunologists*

*Member*

*2009-present*

*The Shock Society*

*Member*

*2003-present*

*The International Society of Neuroimmunomodulation*

*Member*

*2004-present*

*The International Society of Neuroimmunology*

*Member*

*2006-present*

**HONORS AND AWARDS:**

*2016 - Heo-Jun International Award. Journal of Acupuncture and Meridian Studies (JAMS)*

*2016 - Eastern Scholar. University of Shanghai*

*2015 - Research Grant Program. New Jersey Health Foundation*

*2014 - “Faculty of the Year” (Basic Science). Rutgers New Jersey Medical School Faculty Organization*

*2014 - “Excellence in Research”. New Jersey Health Foundation*

*2014 - Laboratory Travel Award. American Association of Immunologists*

*2012 - Seed Faculty Research Award. UMDNJ- New Jersey Medical School*

*2012 - High Impact Collaborative Award. UMDNJ- New Jersey Medical School*

*2007 - Best Abstract Program Award. International Sepsis Forum*

*2006 - National Program Scientist Development Award. American Heart Association*

*2006 - Heritage Program Scientist Development Award. American Heart Association*

*2006 - Meeting Research Award. International Society of Neuro-immunomodulation*

*2005 - Faculty Research Award. North Shore Health System, Manhasset, NY*

*2004 - Faculty Research Award. North Shore Health System, Manhasset, NY*

*2001 - NSF-NATO International Fellowships*

*1997 - International Fellowships. International Human Frontier*

*1996 - Award to the Thesis Research. University of Madrid*

*1991 - Research Award. Merck Sharp & Dohme*

**BOARDS OF DIRECTORS/EDITORIAL/TRUSTEES POSITIONS:**

*International Journal of Clinical & Medical Allergy*

*Editorial Board*

*2014-present*

*Journal of Anesthesiology and Critical Care Medicine*

*Editorial Board*

*2013-present*

*The World Journal of Biological Chemistry*

*Editorial Board*

*2013-present*

*Journal of Vaccine & Immunotechnology*

*Editorial Board*

*2013-present*

*Journal of SOJ Surgery*

*Editorial Board*

*2013-present*

*Critical Care Medicine*

*Editorial Board*

*2012-present*

*American Journal of Clinical and Experimental Immunology*

*Editorial Board*

*2010-present*

*Inflammation & Allergy – Drug Targets.*

*Editorial Board*

*2010-present*

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES: COMMITTEES:**

A.  *International (Name, Inclusive Dates)*

*The Netherlands Organization for Scientific Research, 2014*

*French National Research Department. 2013.*

*The Italian Department of Health. 2009-present*

*The Spaniard Ministry of Health. Fondo de Investigacion Sanitaria (FIS). Spain. May, 2008.*

*The Welcome Trust. United Kingdom. February, 2007*

*The Austrian Science Fund. January, 2007.*

*English Meningitis Research Foundation. United Kingdom. October, 2006.*

*The Netherlands Organisation for Health Research and Development. Amsterdam. February, 2006. North Shore-LIJ Health System. New York, May, 2006.*

*The Spaniard Ministry of Health. Fondo de Investigacion Sanitaria (FIS). Spain. June, 2006.*

B. *National (Name, Inclusive Dates)*

*National Institute of Health. Study Section: Surgery, Anesthesiology, and Trauma. June, 2018*

*National Institute of Health. Study Section: Surgical Sciences & Biomedical. Feb, 2018*

*Office of Research and Development of the VA. NURB Study Section. December, 2016.*

*American Heart Association, 2016. Grant Panel Review on Infectious diseases. November, 2016*

*National Institute of Health. Study Section: Surgery, Anesthesiology, and Trauma. February, 2016*

*American Heart Association. 2011. Grant panel Review*

*University of Medicine and Dentistry of New Jersey*

*Liaison Committee on Medical Education accreditation Faculty Subcommittee. Nov 2011- Jul 2012*

*University of Medicine and Dentistry of New Jersey*

*Faculty Affairs Committee*

*Sept 2010- 2014*

*University of Medicine and Dentistry of New Jersey Medical thesis Research Committee Member Jan 2010- 2014*

*University of Medicine and Dentistry of New Jersey*

*Faculty Member of the New Jersey Medical School Technology Task Force*

*Jan 2008- 2010*

*University of Medicine and Dentistry of New Jersey*

*Scientist Member of the Institutional Animal Care and Use Committee*

*Sept 2007- present*

C. Department

UMDNJ- Department of Surgery

Director of Basic Science

May 2007-June 2009

D. Editorial Boards

*International Journal of Clinical & Medical Allergy*

*Editorial Board*

*2014-present*

*Journal of Anesthesiology and Critical Care Medicine*

*Editorial Board*

*2013-present*

*The World Journal of Biological Chemistry*

*Editorial Board*

*2013-present*

*Journal of Vaccine & Immunotechnology*

*Editorial Board*

*2013-present*

*Journal of SOJ Surgery*

*Editorial Board*

*2013-present*

*Critical Care Medicine*

*Editorial Board*

*2012-present*

*American Journal of Clinical and Experimental Immunology*

*Editorial Board*

*2010-present*

*Inflammation & Allergy – Drug Targets.*

*Editorial Board*

*2010-present*

E. *AdHoc* Reviewer

Advances in Sepsis, 2011-12

Arteriosclerosis, Thrombosis, and Vascular Biology, 1999-12

Biochimica et Biophysica Acta, 2005-10

British Journal of Hematology, 2004-08

Clinical Experimental Immunology, 2002-09

Critical Care, 2003- Present

European Journal of Immunology, 1999-2003

European Journal of Pharmacology, 1999-2003

Expert Opinion Drug Discovery, 2003-08

Gastroenterology, 2003-12

Intensive Care Medicine, 2007- Present

Journal of Immunology, 2007-Present

Journal of NeuroImmunomodulation, 2007-12

Journal of Pharmacology and Experimental Therapeutics, 2007-12

Journal of the American Medical Association, 2009

Molecular and Cellular Biochemistry, 2004-08

Nature Chemical Biology, 2014-Present

Nature Communications, 2014-Present

Molecular Medicine, 2003-07

Nature Medicine, 2006- Present

Oncogene, 2007

Science signaling, 2014-Present

Shock, 2002-12

Trends in Immunology, 2004-09

**GRADUATE SCHOOL COMMITTEES:**

Director course: Critical Readings in Inflammation and Neuromodulation. 2012-Present

Code : TIII 5158Q.

**HOSPITAL COMMITTEES:**

North Shore University Hospital Department of Pathology Associate Investigator

Jan 2000-Sept 2004

Memorial Sloan Kettering Cancer Center Department of Cellular Biology Scientific Investigator

Jan1998 – Dec 1999

**SERVICE TO THE COMMUNITY: POSTGRADUATE DEGREE:**

Zhifeng Li, Nov 2014-

Robert Brumer. Jul-Aug 2014

Sayali Kulkarni. Oct 2013 - Feb 2014

Sreya Gona. Oct 2013 - Feb2014

Juan Manuel Inclan Rico. Sep 2013-Jul 2014

Priya Mishra. Jan-Jun 2013

Amy Pitler Feb-May 2013

Edward Egan. July-Sept 2012

Shanakey Cupidon. June-Sept 2012

Akshar Drumil Yagnik. May-Aug 2012

Stephanie Veerasammy. Jan-May 2012

Faizan Bader. April-June 2012

Jonathan Dare. Jan-March 2012.

Chaturbhuj A Mishra. Nov 2010-Jan 2011.

Franklin Lee. Sept 2008-Jun 2009

Daniel Goltz. Sept 2008- Jun 2009

Chuka Ezendokwere. April 2008- Jun 2009

Michael Rosman. June 2006 –Dec 2006

Daniel Halperin. June 2001 –June 2002

**POSTDOCTORAL FELLOWS:**

Biju Joseph, August 2014-Present

Guilherme Lemos Shimojo Ferreira, May 2017- May 2018

Patrick Morcillo, PhD, Aug 2013-April 2018

Geber Peña, MD/PhD. Jan 2008-Jun 2013

Rafael Torres, PhD, Jan -June 2013

Mexican National Council of Science and Technology Award

CP: Associate Professor. Oaxaca University

Gegerly Vida, PhD. Jan 2009-Jan 2012.

Hungarian Rosztoczy Foundation Award 2008.

CP: Assistant Investigator. Royal College of London

Bolin Cai MD/PhD. Sept 2006-2012.

Rocio Thompson, PhD. May 2010- May 2011.

“Anti-inflammatory potential of Afferent vagus nerve”

Mexican National Council of Science and Technology Award

CP: Associate Professor. Mexico University.

Jun Liu, MD/PhD. May 2009- May 2010.

“Anti-inflammatory potential of nicotinic receptors in sepsis”

CP: Research Associate. Biomarkers,

Weiliang Bian, MD. June 2009- July 2010

“Anti-inflammatory potential of nicotinic receptors in sepsis”

Alex Kanashiro, PhD. June 2009- May 2010.

“Adrenergic receptors involved in vagal immune-modulation”

Fundação ao Amparo à Pesquisa do Estado de São Paulo (FAPESP)

CP: Assistant Professor. São Paulo University.

Laura Ramos, MD/PhD. Mar 2008-2010

“Role of the Mast cells in Sepsis”

Spanish Department of Science. Mar 2008- 2009

Catalonian Society of Digestive 2008 Award.

CP: Associate Professor. University Canary Islands. Michael Brunner, PhD. August 2008-May 2009

“Cholinergic receptors involved in sepsis”

Bingsheng Chang, MD/PhD. Feb -Jul 2009

“Cholinergic receptors involved in sepsis”

CP: Research Associate. Biomarkers.

Fei Chen, MD/PhD. May 2007-Jan 2009

“Characterization of selective alpha7nAChR-agonists”

CP: Research Associate. UMDNJ.

Weihong Dong, MD/PhD. Dec 2007- 2008

“Anti-inflammatory adjuvants for resuscitation”

CP: Vice director Dpt of Obstetrics.

Union Hospital of Huazhang University. Wuhan, China

Yan Ji PhD. Jun 2007-Jun 2008

“Cholinergic anti-inflammatory signaling in macrophages”

CP: Professor. Berkeley College of Science. NJ

Yingjie Cui MD/PhD. Sept 2006-2007

“Anti-inflammatory potential of pyruvate agonists during resuscitation”

CP: Assistant Prof. Case Western Reserve University of Cleveland. OH.

William Parrish, PhD. April 2005-2006.

“Cholinergic signaling in macrophages”

CP: Feinstein Institute for Medical Research. NY

Hui Xu, PhD. Feb 2005-2006.

“Cholinergic signaling in macrophages”

CP: North Shore University Hospital. NY

Hong Liao, PhD. April 2003-2005.

“Anti-inflammatory potential of cholinergic agonists in sepsis”

Current position (CP): University of Pittsburgh. PA.

**TEACHING RESPONSIBILITIES:** (Teaching effectiveness should be addressed in nominating letter) A. Lectures or Course Directorships

Thesis advisor committee. Lihong Hao

Title : "The role of NPY-GI neurons in disease related anorexia-cachexia syndrome" Director : Vanessa H. Routh, Ph.D.

Professor, Department of Pharmacology & Physiology. UMDNJ.

University of Alcala Henares. Madrid. Spain.

Cytoskeletal Regulation during neuronal differentiation.

1993-94, 1994-95. 50 hrs

University Autonoma Madrid. Spain.

Experimental Methods for Research in Medicine

1994-95, 1995-96. 50 hrs

University Of Cordoba. Spain

Cellular Signaling in Immunomodulation. May, 1999. 5 hrs

Birkbeck College. London. UK

Pathogenesis of infectious diseases

February, 2006. 2 hrs

University Of Cordoba. Spain

Neuro-Immunomodulation. May, 2008. 4 hrs

University of Ostrava. Czech Republic.

11PG Course of Sepsis and MODS. January, 2009. 4hrs

UMDNJ-Graduate School of Biomedical Sciences.

Director course: Critical Readings in Inflammation and Neuromodulation

Code : TIII 5158Q. 15 hrs

October, 2012 –

Rutgers University-Graduate School of Biomedical Sciences.

Director course: Critical Readings in Inflammation and Neuromodulation

Code : TIII 5158Q. 15 hrs

October, 2013 -

Rutgers University-Graduate School of Biomedical Sciences.

Director course: Reza Razavi, PhD “Animal models of human diseases”

October, 2013

Rutgers University-Graduate School of Biomedical Sciences.

Director course: Pranela Rameshwar, PhD “Stem Cells and Regenerative Medicine”

October, 2013

Rutgers University-Graduate School of Biomedical Sciences.

Director course: Pranela Rameshwar, PhD “Stem Cells and Regenerative Medicine”

October, 2013

Institute Pasteur Hong Kong University.

6th International Pasteur Course of Innate Immunity and Inflammation. Roberto Bruzzone, PhD

November 25-27, 2013.

**GRANT SUPPORT:** *(Please list newest or most current first)*

A. Principal Investigator

NIH. RO1 RGM114180

“Dopaminergic Regulation of the Immune System”.

April, 2015-Feb, 2019

New Jersey Health Foundation. Biomedical Research Program

Dopaminergic control of sepsis

Jan, 2015-16

UMDNJ Science Foundation. Seed Faculty Research Award, 2012

Anti-inflammatory mechanism of the vagus nerve

May, 2012-13

UMDNJ Science Foundation. High Impact Collaborative Award, 2012

“Vagal inhibition of lymph toxicity”

May, 2012-13

NIH. RO1 GM084125

“Cholinergic regulation of NF-kB in Sepsis”.

September, 2008-June, 2014

US Army Medical Research and Materiel Command. USAMRMC 05308004

“Ethyl Pyruvate Provides Therapeutic Anti-inflammatory Benefits”

Jan 2007-Dec 2009.

The American Heart Association, National Award AHA06352230N “Mechanism of the nicotinic anti-inflammatory effects in sepsis”. July 2006-June 2010.

The North Shore Health System

“Selective cholinergic agonists in experimental sepsis”.

January-December, 2006

The North Shore Health System

“Cholinergic anti-inflammatory pathway in human macrophages”.

January-December, 2005

**ARTICLES:**

*(Please list in chronological order; published or accepted for publication only; should be segregated into the following*

*categories)*

**Dr. Ulloa has over 81 peer reviewed scientific publications with an h-index of 57 and 14,670 citations according to Google Scholar.**

A. Refereed Original Article in Journal

1. **Ulloa L**, Diaz-Nido J. & J. Avila (1993)."Depletion of ck2 by antisense oligodeoxynucleotide prevents neuritogenesis in neuroblastoma cells". [EMBO J.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=8467810)12(4):1633-40. 1993

2. **Ulloa L**, Avila J. & J. Diaz-Nido.(1993) "Heterogeneity in the phosphorylation of MAP1B during rat brain development". J.Neurochem. 61(3) 961-72. 1993

3. **Ulloa L**,Dombradi V. ,Díaz-Nido J. ,Szucs K. ,Gergely P. ,Friederich P. & J. Avila. (1993) "Dephosphosphorylation of MAP1B by PP1, 2A and 2B". FEBS lett. 330(1):85-9. 1994

4. **Ulloa L**, Díez-Guerra J, Avila J. & J. Díaz-Nido.(1994) "Localization of phosphorylated isoforms of

MAP1B in cultured rat hippocampal neurons". Neurosc. 61(2):211-23. 1994

5. **Ulloa L**, Ibarrola N. ,Avila J. & J. Díez-Guerra. (1994) "MAP1B is phosphorylatred in glial cells different than in neurones".GLIA 10(4):266-75. 1994

6. **Ulloa L**,Montejo E,Gomez-Ramos P, Moran M. & J. Avila (1994)."Phosphorylated MAP1B

appears in neurofibrillary degeneration of Alzheimer´s disease" [Mol. Brain Res.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=7854037&amp;query_hl=12) 26:113-9. 1994

7. **Ulloa L**, Diaz-Nido J. & J. Avila.(1994) "Depletion of catalytic and regulatory subunits of ck2 by antisense treatment of neuroblastoma cells" Cell. Mol. Neurobiol. 14(5):407-14. 1994

8. Avila J, **Ulloa L**, Díez-Guerra J. & J. Díaz-Nido.(1994) " Role of phosphorylated MAP1B in neuritogenesis". Cell Biol. Intern. 18(5):309-14. 1994

9. Avila,J. **Ulloa L**, Gónzalez J. ,Moreno F. & J. Díaz-Nido (1994) "Phosphorylation of MAPs by casein kinase II in neuritogenesis" Cell. Mol. Biol. Res. ,40(5):573. 1994

10. Pedrotti B, **Ulloa L**, Avila J. & K. Islam. (1996) "Characterization of MAP1B: Phosphorylation, Light Chains and Binding to microtubules" Biochem. 35(9):3016-23. 1996

11. **Ulloa L**, Ledesma D,Montejo E. & Diaz-Nido J. (1995) "Axonal MAPs are phosphorylated in

Alzheimers´s disease similar to that found in developing neurites". Biocell 19(1):17-20. 1996

12. **Ulloa L** & J. Avila. (1996) "Involvement of beta actin isoforms in neuroblastoma differentiation" Eur. J. Neurosc. 8(7):1441-51.1996

13. Diaz-Nido J, **Ulloa L**, Sanchez C. & J. Avila. (1996) "The role of the cytoskeleton in the morphological changes during neuronal differentiation". Sem.Develop. Biol. 7:733-9. 1996

14. Vecino E, **Ulloa L** & J Avila (1996) “Phosphorylated microtubule associated protein (MAP1B-Phos)

in the retina during regeneration of the fish optic nerve” Int. J Dev Biol. 1:171-2. 1996

15. Sanchez C, **Ulloa L** ,Montoro R, Lopez-Barneo J. & J. Avila.(1997) “NMDA-glutamate receptors regulate phosphorylation of dendritic cytoskeletal proteins in the hippocampus “. Brain Res.

765(1):141-8. 1997

16. PiginoG. ,Paglini G. , **Ulloa L**, Avila J. & A. Cáceres. (1997) "Analysis of the expression, distribution and function of cdk5 in developing macroneurons". J Cell Sci. 110(2):257-270. 1997

17. Vecino E, **Ulloa L**, Avila J (1998) The phosphorylated isoform of MAP1B is expressed in the visual system of the tench (Tinca tinca, L) during optic nerve regeneration. Neurosci. Lett 245(2):93-6.

1998

18. **Ulloa L**, Serra R, Asenjo A, Villanueva N. (1998) "Interactions between cellular actin and human respiratory syncytial virus (HRSV)". Virus Res 53(1): 13-25. 1998

19. **Ulloa L**, Doody J, & J. Massague (1999) "Inhibition of TGF/SMAD signal transduction by the

INF/STAT pathway". [Nature](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=10067896), 397(6721):710-3. 1999

20. **Ulloa L**, Creemers J, Roy S, Shaohua L, Mason J & Tabibzadeh S. (2001) “Lefty Proteins Exhibit

Unique Processing and Activate the MAPK Pathway.” [J Biol Chem.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=11278322&amp;query_hl=12) 276(24):21387-96. 2001

21. **Ulloa L** & Tabibzadeh S. (2001) “Lefty inhibits Smad phosphorylation induced by the activated transforming growth factor-beta receptor.” [J Biol Chem.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=11278746&amp;query_hl=12)  276(24):21397-404. 2001

22. Wang H, Yang H, Wang H, **Ulloa L**, Tracey KJ (2001) Suppression of HMG-1 protein release by a macrophage-deactivating agent, cni-1493. Acad Emerg Med. 8(5):513-5. 2001

23. Yang H, Wang H, Bernik T, Ivanova S, Wang H, **Ulloa L**, Roth J, Eaton J & Tracey KJ (2002)

“Globin attenuates the innate immune response to endotoxin”. Shock 17(6):485-90. 2002

24. Kokkola R, Sundberg E, Ulfgren AK, Palmblad K, Li J, Wang H, **Ulloa L**, Yang H, Yan XJ, Furie R, Chiorazzi N, Tracey KJ, Andersson U, Harris HE (2002) HMGB-1: A novel proinflammatory mediator in synovitis. Arthritis Rheum. 46(10):2598-603. 2002

25. Bernik T, Ochani M, **Ulloa L**, Yang H, Sudan S, Ivanova S & Tracey KJ (2002) Pharmacological stimulation of the cholinergic antiinflammatory pathway. [J Exp Med.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=11901203&amp;query_hl=1) 195(6):781-8. 2002

26. **Ulloa L**, Ochani M, Yang H, Tanovic M, Halperin D, Yang R, Czura CJ, Fink MP, Tracey KJ (2002) Ethyl pyruvate prevents lethality in mice with established lethal sepsis and systemic inflammation. Proc Natl Acad Sci USA. 99(19):12351-6. (Patent: 6,943,190). 2002

27. **Ulloa L**, Ochani M, Liao H & Tracey KJ (2003) “Tracing the Cholinergic anti-inflammatory

pathway” FASEB J, 17(S2): 1365-6. 2003

28. Li, J, R. Kokkola, S. Tabibzadeh, R. Yang, M. Ochani, H. E. Harris, **Ulloa L**, Yang H(2003). "Structural basis for the proinflammatory cytokine activity of HMGB-1." Mol Med 9(1): 37-45. 2003

29. Wang H, Yu M, Ochani M, Amella CA, Tanovic M, Li JH, Wang H, Yang H, **Ulloa L**, Czura CJ, Tracey KJ. (2003) Nicotinic acetylcholine receptor alpha7 subunit is an essential regulator of inflammation. [Nature](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=12508119) 421(6921):384-8. 2003

30. Chen G, Li J, Ochani M, Qiang X, Susarla S, **Ulloa L**, Yang H, Fan S, Goyert SM, Wang P, Tracey KJ, Sama AE, Wang H. (2004). Bacterial endotoxin stimulates macrophages to release HMGB1 partly through CD14- and TNF-dependent mechanisms. J. Leukoc. Biol. 76(5):994-1001. 2004

31. **Ulloa L**, Liao H, Pavlov V, Ochani M & Tracey KJ (2004) “Vagus nerve prevents systemic

inflammation by inhibiting TNF transcription in the spleen” J. NeuroImm. 154(1):126-7. 2004

32. **Ulloa L**, Ochani M, Wang H, Liao H & Tracey KJ (2004) “Vagus nerve modulates systemic inflammation by inhibiting TNF in the spleen” FASEB J, 18(S4): 22. 2004

33. Li, J, Wang H, Mason JM, Lewvine J, Yu M, **Ulloa L**, Tracey KJ & Yang H (2004) “Recombinant

HMGB1 with cytokine-stimulating activity” J. Imm. Methods 289(1):211-23. 2004

34. Yang, H, M. Ochani, J. Li, X. Qiang, M. Tanovic, **Ulloa L**, Wang H, Czura C, Roth J et al. (2004). "Reversing established sepsis with antagonists of endogenous HMGB-1." Proc Natl Acad Sci USA

101(1): 296-301. 2004

35. Wang, H, H. Liao, M. Justiniani, X. Lin, H. Wang, C. Metz, E. Miller, KJ. Tracey & **Ulloa L**(2004). "Cholinergic Agonists Inhibits HMGB1 Release and Improve Survival in Experimental Sepsis." [Nature Medicine](http://www.nature.com/nm/journal/v10/n11/full/nm1124.html) 10(11):1216-21. 2004

36. Chen G, Li J, Qiang X, Czura CJ, Ochani M, Ochani K, **Ulloa L**, Yang H, Tracey KJ, Wang P, Sama AE, Wang H. (2005) Suppression of HMGB1 release by stearoyl lysophosphatidylcholine: An additional mechanism for its therapeutic effects in experimental sepsis. J Lipid Res. 46(4):623-7.

2005

37. Czura CJ, Liao H, Ochani M, Tracey KJ & **Ulloa L** (2005) Selective cholinergic agonists improve survival in experimental sepsis. Shock 23(S2):80-1. 2005

38. Cui X, Wu R, Zhou M, Dong W, **Ulloa L**, Yang H, Wang H, Tracey KJ, Simms H & P. Wang (2005) “Adrenomedullin and its binding protein attenuate the proinflammatory response after hemorrhage” Crit Care Med 33 (2):391-8. 2005

39. Lin X, Yang H, Sakuragi T, Hu M, Mantell L, Hayashi S, Alabed Y, Tracey KJ, **Ulloa L** & Miller EJ

(2005) “Chemokine Receptor Blockade Reduces HMGB1 induced Lung Inflammation and Injury

and Improves Survival in Sepsis” [Am J Physiol Lung](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&amp;db=pubmed&amp;dopt=Abstract&amp;list_uids=15937067&amp;query_hl=1) 289(4): L583-90. 2005

40. vanWesterloo DJ, Giebelen IA, Florquin S, Bruno MJ, LaRosa GJ, **Ulloa L**, Tracey KJ & van der Poll T “The vagus nerve and nicotinic receptors modulate experimental pancreatitis severity in mice” Gastroenterology 130(6):1822-30. 2006

41. Huston J, Ochani M, Liao H, Ochani K, Ashok M, Czura C, Foxwell B, Tracey KJ, **Ulloa L** “Splenectomy inactivates the cholinergic anti-inflammatory pathway during lethal endotoxemia and polymicrobial sepsis” J. Exp. Med. 203(7):1623-8. 2006.

42. Morrow DM, Entezari-Zaher T, Romashko J 3rd, Azghani AO, Javdan M, Ulloa L, Miller EJ, Mantell LL. Antioxidants preserve macrophage phagocytosis of Pseudomonas aeruginosa during hyperoxia. Free Radic Biol Med. 2007 May 1;42(9):1338-49. PubMed PMID: 17395007; PubMed Central PMCID: PMC3104269.

43. Sasse AD, Sasse EC, Clark LG, Ulloa L, Clark OA. Chemoimmunotherapy versus chemotherapy for metastatic malignant melanoma. Cochrane Database Syst Rev. 2007 Jan 24;PubMed PMID:

17253556.

44. Cai B, Brunner M, Wang H, Wang P, Deitch EA, **Ulloa L**. Ethyl pyruvate improves survival in awake hemorrhage. J. Mol Med, 87(4) 423.2009

45. Cai B, Chen F, Lin X, Kiss L, Miller E, Szabo C, Deitch E & **Ulloa L**. Anti-inflammatory Adjuvant in Resuscitation Fluids Improves Survival in Hemorrhage. Crit Car Med, 37(3) 860-868. 2009

46. **Ulloa L**, Brunner M, Ramos L, EA Deitch. Scientific and Clinical Challenges in Sepsis. Curr

Pharmac Designs 15(16):1918-35. PubMed # 19519432 NIHMSID # 290441. 2009

47. Cai B, Deitch EA, Grande D, **Ulloa L**. Anti-inflammatory resuscitation improves survival in hemorrhage with trauma. J Trauma 66(6) 1632-1640.2009

48. Cai B, Chen F, Ji Y, Kiss L, DeJonge W, Szabo C, Deitch EA & **Ulloa L**. Alpha7 Cholinergic- Agonists Prevents Systemic Inflammation And Improves Survival During Resuscitation. J. Cell Mol Med 9: 3774-85. 2009

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**REVIEWS**

B. Other Articles (Reviews, Editorials, etc.) In Journals; Chapters; Books; other Professional

Communications

***Authors names (Last, First; Bold CV author)****; Title of Article; Journal Name, Volume#: first-last page, year*

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13. Yin LM, Duan TT, **Ulloa L** & Yang YQ . “Ezrin Orchestrates Signal Transduction in Airway Cells”. *Reviews in Physiology, Biochemistry and Pharmacology.* 2018 174:1-23.

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15. **Ulloa L**, Quiroz-Gonzalez S & Torres-Rosas R. “Nerve Stimulation: Immunomodulation and Control of Inflammation.” *Trends In Molecular Medicine*. 2017 Dec;23(12):1103-1120.

**BOOKS**

1. Avila J, Ledesma D, **Ulloa L**, Ancos J, Rocha M, Sanchez C,Montejo E,Correas I, and Diaz-Nido J. “Modulation by phosphorylation of microtubule protein function in axonal growth”. In: Cell signal transduction, second messengers and protein phosphorylation in health and disease. (A. M. Municio, ed.) Madrid PLENUM Press. 1994

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6. Pavlov V, **Ulloa L**, Metz C “The Brain and Host Defense”. In: The Neuroimmune Biology.

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**CONFERENCES:**

**International**

1. **Keynote or Plenary addresses**

Keynote Speaker in Opening Ceremony : “Bioelectronic Immunology” World Biotechnology Convention, San Paulo, Brazil, December 2017.

Keynote Speaker in Opening Ceremony : “Bioelectronic Immunology” Surgery-2017, Kuala Lumpur, Malaysia, May 2017.

Keynote Speaker in Opening Ceremony: “Dopamine Mediates The Vagal Modulation of the Immune System by Electroacupuncture”. 60th Anniversary of Shanghai University of Traditional Chinese Medicine, Shanghai, December 2016.

Keynote Speaker in Opening Ceremony : “Design of Biosimilar in Neuromodulation” Biotechnology World Convention, San Paulo, Brazil, August 2016.

Plenary Speaker: “Dissecting Electroacupuncture: its Physiology and Biochemistry,” International Meeting British Medical Society, Royal College of Physicians, London, UK , May 2015.

Plenary Speaker: "Bioelectronic Immunology and Neuromodulation of the immune system”. Frontiers in Immunology and Research Network. Algarve, Portugal, July 2015.

Keynote Speaker in Opening Ceremony: “Clinical Translation of Vagal Immune Modulation,” Health Department of Mexico. ISSSTE, Mexico City, October 2013.

## Invited Lectures

4th Summit Forum on Acupuncture Development. “Electroacupuncture in Sepsis” Zhejiang, Quzhou, China, Nov 2016.

International Sepsis Forum, "Translational Neuromodulation of the Immune System". Agra, India. February 2016.

University of Medicine Ribeirao Preto, “Bioelectronic Immunology”. University of San Paulo, San Paulo, Brazil, August 2016.

The Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, “Bioelectronic Immunology”. San Paulo, Brazil, August 2016.

18th International Symposium of Molecular Medicine, "Translating Neuromodulation into Molecular Medicine”. Metropolitan Hotel, Athens, Greece, October 2015.

Ikerbasque Conference on Surgical Immunology, "Vagal Modulation of the Immune System’’. Ikerbasque Science Foundation & Biocruces Health Research Institute, Bilbao, Spain, July 2015.

Babraham Research Campus “Novel Therapeutic Strategies in Immunology”. F-star Biotechnology, Ltd. Cambridge, CB22 3AT, UK, May 2015.

International Meeting British Medical Society. Royal College of Physicians. “Dissecting electroacupuncture: its Physiology and biochemistry”. London. May 9, 2015.

International Meeting UNEVE. State University of Ecatepec, Mexico. “New Frontiers in Neuromodulation”. November 14, 2014.

International Meeting British Medical Society. Royal College of Physicians. “From electroacupuncture to bioelectronic Immunology. London. October 24, 2014.

6th International Pasteur Course of Innate Immunity and Inflammation. Hong Kong University. “NeuroModulation of Inflammation”. Host Roberto Bruzzone, PhD & Jean-Marc Cavaillon. Hong Kong. November 25-27, 2013.

6th National Research Award. Health Department of Mexico. ISSSTE. Opening Lecture: “Clinical Translation of Vagal Immune Modulation”. Host Maria Rocio Thompson. Mexico City. October 28-29, 2013.

NIH- Scientific Enhancement Conferences. University of Puerto Rico at Rio Piedras. March 20-22, 2013. “Neuronal Regulation of Systemic Inflammation.”

International Symphosium “Innate Immune Mechanism controlling Inflammation and Infection”. University Of Medicine & Dentistry of New Jersey. Newark. March 20-22, 2013.

International Symposium on Intensive Care and Emergency Medicine. “Raiders of the Neuroimmunology.” Belgium. March 20-23, 2012.

International Course of Sepsis and MODS 2009. Ostrava. Czech Republic. Jan 19-21, 2009. “Implications of the alpha7nAChR in sepsis”

International Symposium on Sepsis 2008. International Sepsis Forum. Granada. Spain. Nov 19-21, 2008. “From cholinergic receptors to DAMPs”

Hospital Reina Sofia. University of Cordoba. Dr. Francisco Pena. Cordoba. April 29, 2008. “Integration of Two Sciences: Neuroimmunology”

National Institute of Technology. National University of Biology. Dr. Armando Isibasi. Mexico City. October 26, 2007. “The cholinergic anti-inflammatory pathway”

International Symposium on Sepsis 2007. International Sepsis Forum. Paris. France. Sept 28, 2007. “Implications of the spleen in sepsis”

International Society of NeuroImmunoModulation. 8th International Congress on Neuroimmunology 2006. Nagoya. “The cholinergic anti-inflammatory pathway”

The British Royal Society of Medicine. Birkbeck College. London. UK. February, 2006. “Neuro-immune regulation in sepsis”

Novartis Foundation. London. UK. February, 2006. “The cholinergic anti-inflammatory pathway”

International Neurommodulation Society. 7th International meeting on Neuromodulation. 2005. Rome. Italy. “The cholinergic anti-inflammatory pathway”

Dept. of Infectious Diseases. 2005. St. Jude Research Hospital. Memphis, TN. “From the Brain to systemic inflammation”

American Society of Nephrology. 39th Annual Meeting 2004. St. Louis, MO.

Academic Medical Center. 2004. University of Amsterdam. Amsterdam, Netherlands. “Cholinergic regulation of inflammation”

European Science Foundation. Neuroendocrine-Immune Interaction Symposium. 2004. Nice, France. “Cholinergic regulation of inflammation”

International Society of NeuroImmunoModulation. 7th International Congress on Neuroimmunology 2004. Venice. “From the vagus nerve to systemic inflammation”

American Shock Society. 27th Annual Conference on Shock. 2004. Halifax, Canada. “Cholinergic regulation of inflammation”

International Society of Shock. 6th World Congress on Trauma, Shock and Inflammation. Munich, Germany. 2004. “Inflammatory cytokines in sepsis”

Kennedy Institute of Rheumatology. Dr. Brian Foxwell. Imperial College of London. UK. 2003. “TNF and HMGB1 in Sepsis”

37th Annual Conference on Shock - Charlotte, NC - June 7 - 10, 2014 “Pharmacological translation of transdermal neuronal stimulation in sepsis.” Chair: Drs Robert Cooney & Charles Lang.

University of Pittsburgh. Schools of the Health Sciences. Dpt of Critical Care Medicine. Chair Derek C Angus. “The Raiders of the neuroimmune crosstalk” Pittsburgh, May 6, 2014.

UMDNJ. Dpt. Pharmacology. Dr. Tibor Rohacs. Newark, NJ. Jan 7, 2012. “The Raiders of the neuroimmune crosstalk”

33nd Annual Conference on Shock. Portland, OR. June 12-15, 2010. “Implications Of Unphosphorylated Stat3 In Sepsis”

Dept of Biological Sciences. Seton Hall University. Allan D. Blake, PhD. “Mind over Inflammation: Integration of two sciences”. South Orange, NJ. Nov 4th, 2009.

Advanced Technology Applications for Combat Casualty Care Conference 2007. Combat Casualty Care Program. US Army Institute of Research. Lieutenant Colonel James D. Oliver III, PhD, MD. St. Petersburg, Fl. Aug 15, 2007. “Anti-inflammatory adjuvants improve survival in hemorrhage”

UMDNJ. Dpt. of Immunology. Dr. William Gause. Newark, NJ. June 22, 2007. “The cholinergic anti-inflammatory pathway”

30th Annual Conference on Shock. “Addition of ethyl pyruvate to hextend prevents hyperglycemia and improves survival in hemorrhage”. Baltimore, MD. June 12, 2007.

30th Annual Conference on Shock. “Alpha7 nicotinic agonist prevents systemic inflammation and improves survival in hemorrhage.”. Baltimore, MD. June 12, 2007.

Dept. Microbiology and Immunology. University of North Carolina at Chapel Hill. NC. 2006. “The cholinergic anti-inflammatory pathway”

American Society for Microbiology. 45th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). 2005. Washington, DC. “The cholinergic anti-inflammatory pathway”

Dept. of Physiology. 2005. Louisiana State University Health Sciences Center. New Orleans. LA. “From the Brain to systemic inflammation”

Dept. Cellular and Molecular Medicine. 2005. University of Medicine and Dentistry of New Jersey. Newark, NJ. “From the Brain to systemic inflammation”

American Thoracic Society. 100th International Conference 2004. Orlando. FL. “Inflammatory cytokines in sepsis”