CURRICULUM VITAE

DATE: **October 28, 2019**

NAME: **Hong Li, Ph.D.**

PRESENT TITLE: **Associate Professor with Tenure**

OFFICE ADDRESS: **Department of Microbiology, Biochemistry and Molecular Genetics, Rutgers-NJMS. 205 South Orange Ave., Newark, NJ 07103**

TELEPHONE NUMBER/E-MAIL ADDRESS: **973-972-8396/liho2@rutgers.edu**

CITIZENSHIP: **USA**

EDUCATION:

A. Undergraduate Graduate and Professional
University of Nevada
Reno, NV
B.S. (Biochemistry) *Date Awarded: 1992*

B. Graduate and Professional
University of Nevada
Reno, NV
Ph.D. (Biochemistry) *Date Awarded: 1997*

POSTGRADUATE TRAINING:

A. Internship and Residencies N/A
Location
Discipline
Inclusive Dates

B. Research Fellowships N/A
Location
Discipline
Inclusive Dates

C. Postdoctoral Appointments
Albert Einstein College of Medicine.
Molecular Pharmacology
Bronx, NY
1997-1998

MILITARY: **N/A**

ACADEMIC APPOINTMENTS:

Department of Microbiology, Biochemistry and Molecular Genetics
Rutgers University-NJMS
Associate Professor with Tenure
7/2013-present

Department of Biochemistry and Molecular Biology
UMDNJ-NJMS
Associate Professor with Tenure
7/2010-7/2013

Rutgers-NJMS University Hospital Cancer Center
UMDNJ-NJMS
Member
7/2007-present

Department of Biochemistry and Molecular Biology
UMDNJ-NJMS
Associate Professor
7/2005-6/2010

Department of Biochemistry and Molecular Biology
UMDNJ-NJMS
Assistant Professor
1/2000-6/2005

HOSPITAL APPOINTMENTS: N/A
Department
Hospital Name
Title
Inclusive Dates (Month/Year)

OTHER EMPLOYMENT OR MAJOR VISITNG APPOINTMENTS: *(If applicable)*

Scientist II
Synaptic Pharmaceutical Corporation
Paramus, NJ
Biochemistry and Pharmacology
1998-1999

PRIVATE PRACTICE *(If applicable)*: N/A

LICENSURE: *specialty/#/expiration* N/A

DRUG LICENSURE: N/A
CDS: *#/expiration*
DEA: *#/expiration*

CERTIFICATION: specialty/#/expiration N/A

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:
American Society of Mass spectrometry
Member
1992-present

Association of Biomedical Research Facilities
Member
1992-present

HONORS AND AWARDS:
Title
Awarded By
Date

BOARDS OF DIRECTORS/TRUSTEES POSITIONS: N/A

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

NIH NCRR Shared Instrumentation Program. ZRG1 BCMB-D (30) I *2009*
NIH NIEHS - Biomarkers Indicative of Mitochondrial Dysfunction. ZES1 LWJ-J (MI) 1 *2011*
NIH CSR - Technology Development of New Affinity Reagents against the Human Proteome BST-M (51) *2011*
NIH Special Emphasis Panel: Review Committee for Environmental Exposure and Neurodegenerative Diseases (R21 & R01s) ZES1 LWJ K R 1 *2014*
NIH Competitive Renewal Study Panel, Development for Protein Affinity Reagents. ZRG12014 BST-K50 *2014*
NIH Special Emphasis Panel: Biochemistry and Biophysical Chemistry Fellowships ZRG1 F04B-D (20) *2014*
NIH ZNS1 SRB-N (12): NINDS Institutional Center Core Grants to Support Neuroscience Research (P30) & High Impact Neuroscience Research Resource Grants (R24) ZRG1 F04B-D (20) *2016*
NIH Site Visit, University of Washington, Seattle. Comprehensive Biology: Exploiting the Yeast Genome. BIOMEDICAL TECHNOLOGY RESEARCH RESOURCE (P41) 2016-10 ZRG1 CB-D 40 P *2016*

SERVICE ON MAJOR COMMITTEES:

A. International *(Name, Inclusive Dates)*

WELLCOME TRUST PROGRAMME GRANT Review Committee *2009*

*The Netherland*s Organization for Health Research and Development, NWO Investment in Scientific Infrastructure *Grant Review Committee* *2012*

French Ministry of Higher Education and Research – Fulbright Selection Committee *2017*

The Netherlands Organization for Health Research and Development 2018

Evaluation of research applications for the E-Rare Transnational research projects on hypothesis-driven use of multiomic integrated approaches for discovery of diseases causes and/or functional validation in the context of rare diseases, E-Rare JTC2018 Call Secretariat

Society for Redox Biology and Medicine 2018

Evaluation of research posters for the Young Investigator Awards

Fulbright Egyptian Student Program 2019
Review Fulbright grants for Binational Fulbright Commission in Egypt

B. National *(Name, Inclusive Dates)*
C. Medical School/University *(Name, Inclusive Dates)*

NJMS Research Recognition Committee, 2017-2019
NJMS Faculty Council, 2015-2016
Vice President for Research, NJMS Faculty Organization, 2014-2015
Chair, Faculty Investigator Group, 2013-present
Hurricane Sandy Response Evaluation Committee, 2012-present
Proteomics Core Advisory Committee, 2000-present
Technology Task Force, 2008-present
Research Technology Advisory Group, RTAG, 2009-present
Newark Campus Laboratory Safety Committee, 2011-present
Branding and Image - Strategic Plan Steering Committee Workgroup, 2012
Rutgers Shared Instrumentation Grant Review Committee, 2014

D. Hospital *(Name, Inclusive Dates)*
E. Department *(Name, Inclusive Dates)*

Biochemistry and Pathology/MBGC seminar program coordinator, 2011-2013
Computation and Network Committee, 2000-present

F. Editorial Boards *(Journal Name, Inclusive Dates)*

Journal of Open Proteomics, 2009-present

G. *AdHoc* Reviewer *(Journal Name, Inclusive Dates)*

Journal of Proteome Research, 2000-present
Journal of Proteomics, 2000-present
Journal of Neuroscience Method, 2005-present
Journal of Chromatography, 2010-present
Journal of Biological Chemistry, 2009-present
Journal of Cellular and Molecular Medicine, 2008-present
Mini-Reviews in Medicinal Chemistry, 2008-present
Molecular and Cellular Neuroscience, 2008-present
Bioinformatics, 2010-present
Cancer Therapy, 2009-present
Placenta, 2009-present
Expert Review in Proteomics- 2009-present
Antioxidant and Redox Signaling, 2010-present
Molecular Vision, 2010-present
Integrative Ophthalmology and Visual Science, 2011-present
Free Radical Biology and Medicine, 2011-present
Rapid Communication in Mass Spectrometry, 2011-present
Apoptosis, 2012- present
Developmental Neuroscience, 2012- present
Proteomics, 2012-present
Proteomics-Clinical Applications, 2012-present
BBA Proteomics, 2013-present

SERVICE ON GRADUATE SCHOOL COMMITTEES:

Thesis Committee: Keith Christophers – Biochemistry Mol Biology
Thesis Committee: Kenneth M. Wannemacher– Biochemistry Molec Biology
Thesis Committee: Veera D'mello– Biochemistry Mol Biology
Thesis Committee: Can Huang – Pharmacology Physiology
Thesis Committee: Chuanglong Cui -Microbiology
Thesis Committee: Narayani Nagrajan -Cell Biology
Thesis Committee: Dan Shao -Cell Biology
Thesis Committee: Jessica Mann -Microbiology
Thesis Committee: GANAPATHY Sriram *– Microbiology, Biochemistry Molec Genetics*
Thesis Committee: Geng Ke – Microbiology, Biochemistry Molec Genetics
Thesis Committee: Jaemin Byun –Cell Biology and Molecular Medicine
Thesis Committee: Narayani Nagarajan–Cell Biology and Molecular Medicine
Thesis Committee: Yangfe Yang–Cell Biology and Molecular Medicine
Thesis Committee: Sara Gilmast– Pharmacology Physiology
Thesis Committee: Ju Youn Lee– Biochemistry Mol Biology
Thesis Committee: Anton Kolomeyer– Ophthalmology

SERVICE ON HOSPITAL COMMITTEES:

SERVICE TO THE COMMUNITY:

SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:

SPONSORSHIP OF POSTDOCTORAL FELLOWS:

Gang Xiao	*2001-2002*
Yan Li	*2002-2004*
Longwen Deng	*2002-2004*
Jin Qian	*2003-2005*
Tong Liu	*2004-present*
Sanqiang Pan	*2004-2005*
Qun Wang	*2004*
KS Latha	*2005*
Oleg Borisov	*2005*
Mohit R. Jain	*2005-2014*
Shengjie Bian	*2005-2008*
Cexiong Fu	*2005-2009*
Yan Wang	*2006*
Ahmet T. Baykal	*2006-2008*
Wei-wen Ge	*2006-2007*
Jennifer E. Grant	*2006-2007*
Changgong Wu	*2007-2014*
Bingjun Jiang	*2009-2010*
Andrew Parrott	*2010-2011*
Qing Li	*2010-2013*
Amit Ketkar	*2010-2011*

TEACHING RESPONSIBILITIES: (Teaching effectiveness should be addressed in nominating letter)

A. Lectures or Course Directorships

School, course name, lecture title, hours

GRADUATE COURSE	***DATE***	***SCHOOL***	***DIRECTOR***
Protein Structure	*Fall 2000*	*NJMS*	*Wagner*
Core Curriculum	*Fall 2000*	*NJMS*	*Howells*
Molecular Biology of the News	*Spring 2001*	*NJMS*	*Mathews*
Biochemical Techniques	*Spring 2001*	*NJMS*	*Wagner*
Biophysical Chemistry	*Spring, 2001*	*Rutgers-NWK*	*Jordan*
Protein Structure	*Fall 2001*	*NJMS*	*Wagner*
Bioinformatics	*Spring 2002*	*NJMS*	*Byrnes*
Computational Biology	*Spring 2002*	*RWJMS*	*Byrnes*
Molecular Biology of the News	*Spring 2003*	*NJMS*	*Mathews*
Advanced Immunology	*Spring 2003*	*NJMS*	*Raveche*
Protein Structure	*Fall 2003*	*NJMS*	*Wagner*
Analytical Method	*Fall 2004*	*NJMS*	*Wagner*
Protein Structure	*Fall 2004*	*NJMS*	*Wagner*
Molecular Biology of the News	*Spring 2005*	*NJMS*	*Mathews*
Intro to Genomics, Proteomics	*Spring 2005*	*NJMS*	*Mathews*
Adv Genomics, Proteomics	*Fall 2005*	*NJMS*	*Mathews*
Protein Structure	*Fall 2005*	*NJMS*	*Wagner*
Intro to Genomics, Proteomics	*Spring 2006*	*NJMS*	*Mathews*
Fundemental of Biochem	*Spring 2006*	*NJMS*	*Kotenko*
Intro to Genomics, Proteomics	*Fall 2006*	*NJMS*	*Mathews*
Protein Structure	*Fall 2006*	*NJMS*	*Wagner*
Cell Biology	*Fall 2006*	*Rutgers-NWK*	*Kim*
Adv Genomics, Proteomics	*Spring 2007*	*NJMS*	*Tian*

Molecular Biology of the News	*Spring 2007*	*NJMS*	*Rogers*
Intro to Genomics, Proteomics	*Fall 2007*	*NJMS*	*Tian*
Core Course	*Fall 2007*	*NJMS*	*Rogers*
Master Core Course	*Fall 2007*	*NJMS*	*Wagner*
Protein Dynamics in Health	*Spring 2008*	*NJMS*	*Suzuki*
Fundemental of Biochem	*Spring 2008*	*NJMS*	*Kotenko*
Intro to Genomics, Proteomics	*Fall 2008*	*NJMS*	*Tian*
Core Course	*Fall 2008*	*NJMS*	*Rogers*
Master Core Course	*Fall 2008*	*NJMS*	*Wagner*
Protein Dynamics in Health	*Spring 2009*	*NJMS*	*Suzuki*
Molecular Biology of the News	*Spring 2009*	*NJMS*	*Rogers*
Intro to Genomics, Proteomics	*Fall 2009*	*NJMS*	*Tian*
Core Course	*Fall 2009*	*NJMS*	*Rogers*
Protein Dynamics in Health	*Spring 2010*	*NJMS*	*Suzuki*
Fundemental of Biochem	*Spring 2010*	*NJMS*	*Kotenko*
Core Course	*Fall 2010*	*NJMS*	*Rogers*
Intro to Genomics, Proteomics	*Spring 2011*	*NJMS*	*Tian*
Protein Dynamics in Health	*Spring 2011*	*NJMS*	*Suzuki*
Core Course	*Fall 2011*	*NJMS*	*Coffman*
Intro to Genomics, Proteomics	*Spring 2012*	*NJMS*	*Tian*
Protein Dynamics in Health	*Spring 2012*	*NJMS*	*Suzuki*
Fundemental of Biochem	*Spring 2012*	*NJMS*	*Kotenko*
Core Course	*Fall 2012*	*NJMS*	*Coffman*
Seminars in Biomed Sci	*Fall 2012*	*NJMS*	*Birge*
Molecular Biology of the News	*Spring 2013*	*NJMS*	*Pandey*
Intro to Genomics, Proteomics	*Spring 2013*	*NJMS*	*Li*
Protein Dynamics in Health	*Spring 2013*	*NJMS*	*Suzuki*
IBMS	*Fall 2013*	*NJMS*	*Coffman*
Seminars in Biomed Sci	*Fall 2013*	*NJMS*	*Birge*
Fundemental of Biochem	*Spring 2014*	*NJMS*	*Kotenko*
Molecular Biology of the News	*Spring 2014*	*NJMS*	*Pandey*
Intro to Genomics, Proteomics	*Spring 2014*	*NJMS*	*Li*
Protein Dynamics in Health	*Spring 2014*	*NJMS*	*Suzuki*
IBMS	*Fall 2014*	*NJMS*	*Coffman*
Seminars in Biomed Sci	*Fall 2014*	*NJMS*	*Birge*
GMM	*Fall 2014*	*NJMS*	*O'Connor*
Molecular Biology of the News	*Spring 2015*	*NJMS*	*Pandey*
Intro to Genomics, Proteomics	*Spring 2015*	*NJMS*	*Li*
Protein Dynamics in Health	*Spring 2015*	*NJMS*	*Suzuki*
IBMS	*Fall 2015*	*NJMS*	*Coffman*
Medical School MCS	*Fall 2015*	*NJMS*	*Humayun*
IBMS	*Fall 2016*	*NJMS*	*Mathews*
Medical School MCS	*Fall 2016*	*NJMS*	*Humayun*
Intro to Genomics, Proteomics	*Spring 2017*	*NJMS*	*Hasimi*
IBMS	*Fall 2017*	*NJMS*	*Rogers*
Intro to Genomics, Proteomics	*Spring 2018*	*NJMS*	*Hasimi*
Medical School MCS	*Fall 2018*	*NJMS*	*Suzuki*
IBMS	*Fall 2018*	*NJMS*	*Mathews*
Intro to Genomics, Proteomics	*Spring 2019*	*NJMS*	*Hasimi*
Medical Biochemistry & Genetics	*Spring 2019*	*NJMS*	*Humayun*
Ethical Scientific Conduct	*Spring 2019*	*NJMS*	*Lutz*

B. Research Training

Post Doctoral Fellows: *name, dates (inclusive) of training*

Gang Xiao	*2001-2002*
Yan Li	*2002-2004*
Longwen Deng	*2002-2004*
Jin Qian	*2003-2005*
Tong Liu	*2004-present*
Sanqiang Pan	*2004-2005*
Qun Wang	*2004*
KS Latha	*2005*
Oleg Borisov	*2005*
Mohit R. Jain	*2005-2014*
Shengjie Bian	*2005-2008*
Cexiong Fu	*2005-2009*
Yan Wang	*2006*
Ahmet T. Baykal	*2006-2008*
Wei-wen Ge	*2006-2007*
Jennifer E. Grant	*2006-2007*
Changgong Wu	*2007-2014*
Bingjun Jiang	*2009-2010*
Andrew Parrott	*2010-2011*
Qing Li	*2010-2013*
Amit Ketkar	*2010-2011*

Pre Doctoral Students: *name, dates (inclusive) of training*

Predoctoral Rotation Students Supervised

Zhengbin Zhang	*2002*
Veera D'mello	*2003*
Kenneth M. Wannemacher	*2005*
Raghavendra, Shammana	*2007*
Raghavendr Sridhar	*2014*
Chuanlong Cui	*2015-present*
Brian Jun (Dental School)	*2018*
Ian Casaren (High School)	*2018*
Johanna Lu (High School)	*2018*

CLINICAL RESPONSIBILITIES: (Clinical effectiveness should be addressed in nominating letter)

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

A. Principal Investigator

Current

1. ***R01GM112415 (Multi-P.I.: Annie Beuve and, Hong Li)***
   National Institutes of Health
   NO Signaling by a Soluble Guanylyl Cyclase-Thioredoxin Transnitrosation
   04/01/15 to 01/31/20
   Total Cost: $ 1,646,228
   Total Direct: $ 1,035,364

   Hong Li Portion
   Total Cost: $ 795,344
   Total Direct: $ 500,216

2. ***U54HG008098 (P.I. Ravi Iyengar, Mt Sinai School of Medicine. Hong Li, P.I.-Proteomics Core)***
National Institutes of Health
Drug Combination Signatures for Prediction and Mitigation of Toxicity
9/10/14-6/30/20
Total Cost: $12,598,116
Total Direct: $7,743,690

Hong Li Portion for Rutgers Subcontract
Total Cost: $908,904
Total Direct: $571,650

3. ***P30NS046593 (Contact PI, Multi-PI with Peter Lobel, RWJMS)***
National Institutes of Health
Rutgers Mass Spectrometry Center for Integrative Neuroscience Research
07/01/15 to 06/30/20
Total Cost: $2,544,000
Total Direct: $1,600,000

Hong Li Portion
Total Cost: $1,526,400
Total Direct: $960,000

4. ***19PRE34380102***
(AHA Predoctoral Fellowship, P.I. Chuanlong Cui, Mentors: Hong Li & Annie Beuve)
American Heart Association
Mechanism and Function of NO-induced Disulfide Switches in Soluble Guanylyl Cyclase
01/01/2019 to 12/31/2020
Total Cost: $53,688

Past

5. ***S10 OD025047(P.I.: Hong Li)***
National Institutes of Health
Orbitrap Fusion Lumos Tribrid MS System for Proteomics Research at Rutgers Newark Campus
05/01/18 to 04/30/19
Total Direct: $1,092,346

6. ***Fulbright Research Scholar Award***
J. William Fulbright Foreign Scholarship Program
Advanced Protein Technology Research Collaboration between Institut Pasteur and Rutgers University
09/01/17—01/15/18
Total Award: €12,000

7. *RC-18-AA-00185 (P.I.: Hong Li)*
Rutgers Research Council Grant Award
A Transnitrosation Cascade in Heart Health
06/01/17—5/31/18
Total Award: $3,000

8. ***P30NS046593 (P.I.: Hong Li)***
National Institutes of Health

Renewal of a UMDNJ NeuroProteomics Core Facility
12/1/2004-11/30/15
Total Cost: $ 7,352,207
Total Direct: $4,932,287

9. ***P50GM071558-06A1 (P.I. Ravi Iyengar, Mt Sinai School of Medicine. Hong Li, P.I.-Proteomics Core)***
National Institutes of Health
SYSTEM BIOLOGY CENTER IN NEW YORK
9/1/13 to 8/31/14
Total Cost: $2,000,001
Total Direct: $1,264,580

Hong Li Portion for Rutgers Subcontract
Total Cost: $39,750
Total Direct: $25,000

10. ***UMDNJ Foundation Award***
Proteomic Analysis of Trx1 Mediated Redox Signal Transduction
7/01/07-6/30/09
Total Cost: $70,000
Total Direct: $70,000

11. ***NJ Equipment Leasing Fund Award***
New Jersey Commission on Higher Education
Establishment of Center for Advanced Proteomics
10/15/01-10/14/03
Total Cost: $1,660,000
Total Direct: $1,660,000

Pending

RM1 (P.I. Ravi Iyengar, Mt Sinai School of Medicine. Hong Li, P.I.-Proteomics Core)
National Institutes of Health
Mechanisms of Human Cellular Robustness
4/01/20-3/31/25

Hong Li Portion for Rutgers Subcontract
Total Cost: $795.000
Total Direct: $500,000

1R01GM136813-01 (Multi-P.I. Edouard Azzam & Hong Li, P.I.-Corresponding PI)
National Institutes of Health
The role of targeted S-nitrosylation by Trx1 in breast cancer radioresistance
4/01/20-3/31/25

Hong Li Portion
Total Cost: $1,289,590
Total Direct: $822,646

B. Co-Investigator

Current

N/A

Past

1. ***R01AG023039 (P.I. Junichi Sadoshima)***
   National Institutes of Health
   Redox Regulation in Myocardial Disease
   05/15/14 to 01/31/19
   Total Cost: $1,351,640
   Total Direct: $950,716

2. ***R01HLl12330 (P.I. Junichi Sadoshima)***
   National Institutes of Health
   REGULATION OF MYOCARDIAL GROWTH AND DEATH BY THE HIPPO PATHWAY
   2/1/12 to 11/30/16
   Total Cost: $2,214,320
   Total Direct: $1,419,435

3. ***R01HL091469 (P.I. Junichi Sadoshima)***
   National Institutes of Health
   CARDIOPROTECTIVE EFFECTS OF THIOREDOXIN 1
   3/3/13 to 02/28/18
   Total Cost: $2,659,030
   Total Direct: $1,675,860

4. ***1R21AI076937-01A1 (Sergei Kotenko, P.I.)***
   National Institutes of Health
   Evasion of antiviral protection by poxvirus-encoded interferon antagonists
   6/05/09-5/31/11
   Total Cost: $427,625
   Total Direct: $275,000

5. ***1R21AI073703-01A1 (Virendra Pandey, P.I.)***
   National Institutes of Health
   Proteomics of HCV Replication Complex
   5/07/09-4/30/11
   Total Cost: $427,625
   Total Direct: $275,000

6. ***ALR TIL Grant Award (Sergei Kotenko, P.I.)***
   American Lupus Research
   1/1/09-12/31/10
   Total Cost: $ 489,202
   Total Direct: $ 452,964

7. ***Columbia University (Edouard Azzam, P.I.)***
   High Throughput Minimally Invasive Radiation Biodosimetry Center
   8/1/08-7/31/10
   Total Cost: $85,000
   Total Direct: $67,460

8. ***1S10RR021102 (Lin Yan, P.I.)***
   National Institutes of Health
   QSTAR Elite Pro High Performance Quadrupole Time-of-Flight Mass Spectrometer
   4/1/07-3/31/08
   Total Cost: $475,875
   Total Direct: $475,875

9. ***1R21GM079255 (Beatrice Haimovich, P.I.)***
National Institutes of Health
Induction of Autophagy in Human Macrophages by Lipopolysaccharide
1/01/07-12/31/08
Total Cost: $427,900
Total Direct: $275,000

10. ***2R01AI034552-12A1 (Michael Mathews, P.I.)***
National Institutes of Health
Functions of Double-stranded RNA Binding Proteins
7/15/04-6/30/09
Total Cost: $2,634,116
Total Direct: $1,702,888

11. ***1R01AI057468-01A1 (Sergei Kotenko, P.I.)***
National Institutes of Health
Role of Interferon-lambda in Antiviral Response
12/16/04-11/30/09
Total Cost: $1,935,425
Total Direct: $1,250,000

12. ***1R01HL067871-01A2 (Gill Diamond, P.I.)***
National Institutes of Health
Host-Pathogen Interactions in the Mammalian Airway
Role: Co-investigator
4/1/03-3/31/07
Total Cost: $1,244,000
Total Direct: $800,000

13. ***1S10 RR15800-01A1 (Michael Mathews, P.I.)***
National Institutes of Health
Integrated LC/MS/MS System-LCQ
5/1/02-4/30/03
Total Cost: $307,650
Total Direct: $307,650

14. ***DBI-0100831 (Michael Mathews, P.I.)***
National Science Foundation
Integrated LC/MS/MS System-QTOF
5/15/01-5/14/03
Total Cost: $326,275
Total Direct: $326,275

15. ***2R01DA009113-04A1 (Richard Howells, P.I.)***
National Institutes of Health
Purification and Mass Spectrometry of Opioid Receptors
4/01/93-1/31/08
Total Cost: $971,875
Total Direct: $625,000

PUBLICATIONS: *(Please list newest or most current first; published or accepted for publication only; should be segregated into the following categories)*

A. Refereed Original Article in Journal
1. Xiaowen Wang, Jun Yang, Justin Wong, Jessie Yanxiang Guo, Holly Van Remmen, Hong Li, Eileen White, Chen Liu, Megerditch Kiledjian and X.F. Steven Zheng, SOD1 Is Crucial for

Growth and Ribosome Biogenesis in KRAS-p53 Driven Lung Tumors in Mice. Submitted to Nature Communications

2. Baljinnyam E., Venkatesh S., Tong M., Yan L., Liu T., Li H., Xie L.-H., Suzuki C., Fraidenraich D., and Sadoshima J. Proteomic analysis of mitochondrial biogenesis in cardiomyocytes differentiated from human induced pluripotent stem cells. Submitted.
3. Davra, V., Saleh, T., Geng, K., Kimani, S., Mehta, D., Kasikara, C., Smith, B., Colangelo, N., Ciccarelli, B., **Li, H.**, Azzam, E., Kalodimos, C., Birge, RB., Kumar, A., (2020) Cyclophilin A inhibitor Debio-025 targets Crk, reduces metastasis, and induces tumor immunogenicity in breast cancer. *Mol Cancer Res* Apr 22. pii: molcanres.1144.2019. doi: 10.1158/1541-7786.MCR-19-1144.
4. Yadaw, A., Siddiq, M., Tolentino, R., Rabinovic,h V., Jayaraman, G., Jain, M., Liu, T., **Li, H.**, Goldfarb, J., Iyengar, R., Hansen, J. (2019) Whole cell response to receptor stimulation involves many deep and distributed subcellular processes. Submitted
5. Himelman E, Lillo MA, Nouet J, Gonzalez JP, Zhao Q, Xie LH, Li H, Liu T, Wehrens XH, Lampe PD, Fishman GI, Shirokova N, Contreras JE, Fraidenraich D. (2020) Prevention of Connexin43 remodeling protects against Duchenne muscular dystrophy cardiomyopathy. *J Clin Invest* 130(4):1713-1727.
6. Calizo, R., van Hasselt, C., Bhattacharya, S., Wong, J., Wiener, R., Wong, N., Lee, J., Wei, C., Jayaraman, G., Ge, X., Au, H. W., Janssen, W., Liu, T., **Li, H.,** Murphy, B., Campbell, K., Azeloglu, E. (2019) Disruption of podocyte cytoskeletal biomechanics by dasatinib leads to nephrotoxicity. *Nature Communication*. 10(1):2061.
7. Nakamura, M., Liu, T., Husain, S., Zhai, P., Warren, J. S., Chiao-Po Hsu, Matsuda, T., Phiel, C. J., Cox, J., Tian, B., Klein, P. S., **Li, H**., Sadoshima, J. (2019) Glycogen Synthase Kinase-3α Promotes Fatty Acid Anabolism and Lipotoxic Cardiomyopathy. *Cell Metab*. 29(5):1119-1134.e12
8. Saito, T., Monden, Y., Maejima, Y., Ikeda, Y., Mukai, R., Sciarretta, S., Liu, T., **Li, H**., Baljinnyam, E., Fraidenraich, D., Fritzky, L., Zhai, P., Ichinose, S., Isobe, M. Hsu, C.-P., Kundu, M., and Sadoshima, J. (2019) An alternative mitophagy pathway mediated by Rab9 protects the heart against ischemia. *J Clin Invest.* 129(2):802-819.
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C. Patents Held

None

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

1. Grant, J and **Li, H.**, (2016). Post-Translational Modifications and Proteolysis in Neuroscience Studies - Introduction. In *Analysis of Post-Translational Modifications and Proteolysis in Neuroscience.* Springer, New York, Grant, J., Li, H., (Eds).
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E. Abstracts*: None*

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PRESENTIONS:

A. Scientific *(Basic Science Seminars)*:

International

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32. **Li, H.,** (2017) Proteomic Identification of Redox-Dependent Cell Survival Targets of Thioredoxin. CINJ Cancer Pharmacology Research Program.

B. Professional *(Clinical)*: N/A