

Curriculum Vitae

Ruey-Hwa Chen, Ph.D.

PERSONAL INFORMATION

BIRTH DATE: May 8, 1961
 MARITAL STATUS: Married
 Gender: Female
 PROFESSIONAL ADDRESS: Institute of Biological Chemistry, Academia Sinica
 Taipei, Taiwan
 PHONE: 886-2-27855696 Ext. 6020
 FAX: 886-2-27889759
 E-mail: rhchen@gate.sinica.edu.tw

EDUCATION

<u>University</u>	<u>Degree</u>	<u>Field of Study</u>	<u>Years</u>
National Taiwan University	B.S.	Agricultural Chemistry	1979-1983
National Taiwan University	M.S.	Biochemical Science	1983-1985
Michigan State University	Ph.D.	Biochemistry	1987-1991

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Assistant (9/1985 - 8/1987), Department of Clinical Research, National Taiwan University Hospital
 Postdoctoral Fellow (1/1992 to 9/1995), University of California at San Francisco, Department of Growth & Development
 Assistant Biochemist (10/1995 to 2/1996), University of California at San Francisco, Department of Growth & Development
 Associate Professor (2/1996 to 7/2003), Institute of Molecular Medicine, College of Medicine, National Taiwan University
 Professor (8/2003 to 7/2006), Institute of Molecular Medicine, College of Medicine, National Taiwan University
 Adjunct Professor (8/2006 to present), Institute of Molecular Medicine, College of Medicine, National Taiwan University
 Adjunct Professor (8/2007 to present), Institute of Biochemical Science, National Taiwan University
 Research Fellow (8/2006 to 7/2012), Institute of Biological Chemistry, Academia Sinica
 Deputy Director (8/2011 to 8/2013), Institute of Biological Chemistry, Academia Sinica
 Distinguished Research Fellow (7/2012 to present), Institute of Biological Chemistry, Academia Sinica
 Adjunct Chair Professor (1/2015 to present), Graduate Institute of Cancer Biology, China Medical University

RESEARCH INTEREST

Signal transduction
 Protein posttranslational modifications
 Cancer Biology
 Cell Biology

HONORS AND AWARDS

Outstanding Student, National Taiwan University, 1982
National Defense & Technology Scholarship Award, Taiwan, 1983-1985
Phi Beta Delta - Honor Society for International Scholars, 1989
Outstanding Graduate Student Award, Dept of Biochemistry, Michigan State University, 1991
Postdoctoral Fellowship Award, Tobacco-Related Diseases Research Program, 1993-1995
Special Fellow Award, Leukemia Society of America, 1995-1996
Outstanding Paper Award, Juei-Low Sung's Academic Foundation, 1999
Outstanding Young Investigator Award, Academia Sinica, 2001
Frontier of Research Grant Award, National Science Council, 1998-2003
Frontier of Research Grant Award, National Science Council, 2004-2009
Outstanding Research Award, National Science Council, 1998
Outstanding Research Award, National Science Council, 2000
Outstanding Research Award, National Science Council, 2002
Teaching Award, College of Medicine, National Taiwan University, 2004
Teaching Award, College of Medicine, National Taiwan University, 2006
Academia Sinica Investigator Award, Academia Sinica, 2008-2012, 2013-2017
Frontier of Research Grant Award, National Science Council, 2009-2014
Frontier of Research Grant Award, National Science Council, 2015-2019
Outstanding Scholar Research Grant, National Science Council, 2009-2012
Honorary Member, TienTe Lee Award Laureate Club, 2011
Merit Research Award, National Science Council, 2012-2015
The 9th Outstanding Award, TienTe Lee Biomedical Foundation, 2013
TBF (Taiwan Biotechnology Foundation) Chair in Biotechnology, 2014
The 59th Academic Award, The Ministry of Education, 2015
Merit MOST Research Fellow Award, 2016
Taiwan Outstanding Women in Science, Wu Chien-Shiung Education Foundation, 2016

Editorial Board

Cancer Hallmarks, 2012-present
New Journal of Science, 2013-present
Journal of Tumor, 2014-present

Associate Editor

Frontiers in Oncology, 2015-present

CURRENT FUNDING

1) NSC Frontier Grant

"The roles of K33- and K48-polyubiquitination by the Cul3-KLHL20 E3 ligase in membrane trafficking and autophagy regulation"

PI: Ruey-Hwa Chen

Budget: \$6,300,000/annual

Period: 8/1/14 to 7/31/19

2) Academia Sinica Investigator Award

"The roles of ASB11-based Cul5 ubiquitin ligase in controlling life-death cell fate and unfolded protein response dynamics"

PI: Ruey-Hwa Chen
Budget: \$4,000,000/annual
Period: 1/1/18 to 12/31/22

3) NSC Grant

“The role of WDR4-mediated PML ubiquitination in regulating lung cancer microenvironment and metastasis”

PI: Ruey-Hwa Chen
Budget: \$2,000,000/annual
Period: 8/1/15 to 7/31/18

4) NHRI Innovative Research Grant

“Unravelling the regulation and function of LncRNA NORAD in breast and lung cancer metastasis”

PI: Ruey-Hwa Chen
Budget: \$1,940,000/annual
Period: 1/1/18 to 12/31/20

INVITED SPEAKER IN THE INTERNATIONAL CONFERENCES

9th International Symposium on Autophagy, Taipei, Taiwan, Nov 3-7, 2019

17th SCBA (Society of Chinese Bioscientists in America) International Symposium, Kunming, China, July 24-28, 2019

Symposium on ubiquitination and proteostasis in cellular control, Shenzhne, China, July 22-23, 2019

2019 Kaohsiung International Cancer Symposium, Kaohsiung, Taiwan, March 29-31, 2019

2019 International Symposium on Biomedical Science, Taipei, Taiwan, March 15, 2019

International Congress of Purine Signaling, Foz do Iguacu, Brazil, June 19-22, 2018

12th International Conference on Structural and Molecular Biology, Osaka, Japan, May 14-15, 2018 (Keynote speaker)

The 2nd Meeting of the Taiwan YongLin Healthcare Symposium series on “Immunotherapy and Precision Medicine, Taipei, Taiwan, Dec. 2-3, 2017

2017 International Symposium on Pin1 and Signal Transduction, Fuzhou, China July 17-19, 2017

16th SCBA (Society of Chinese Bioscientists in America) International Symposium, Hangzhou, China, June 29-July 2, 2017

International Symposium on Autophagy, Singapore, May 25, 2017.

The Eighth International Conference on SUMO, Ubiquitin, Ubl proteins, Shanghai, China, Oct. 21-23, 2016.

The 8th Asia Oceania Human Proteomic Organization (AOHUPO) Congress, Taichung, Taiwan, Sept 22-23, 2016 (Keynote speaker)

Cold Spring Harbor Asia Meeting on Ubiquitin, Autophagy and Diseases, Suzhou, China, April 18-22, 2016.

15th SCBA (Society of Chinese Bioscientists in America) International Symposium, Taipei, Taiwan, June 26-29, 2015.

International Symposium on Ubiquitin and Diseases, Zhangjiajie, China, June 14-19, 2015.

The Second Israel-Taiwan Life Science Conference, Tel Aviv, Israel, June 7-9, 2015

Cold Spring Harbor Asia Meeting on Protein Modification and Homeostasis, Suzhou, China, June 16-20, 2014.

The Seventh International Conference on SUMO, Ubiquitin, Ubl proteins, Shanghai, China, May 10-13, 2014.

The 7th Asian-Pacific Organization for Cell Biology Congress, Biopolis, Singapore, Feb 24-27, 2014.

The Ubiquitin Family, Cold Spring Harbor Laboratory Meeting, Cold Spring Harbor, NY, May 14-18, 2013

Anniversary Symposium on Transforming Growth Factor Signaling. UCSF, San Francisco, CA, April 4-5, 2013

The 1st Academia Sinica-Chinese Academy of Sciences Bilateral Symposium. Beijing, China, Dec 3, 2012.

The 17th Annual Meeting Korean Society of Cancer Prevention. Seoul, Korea, Nov 9-10, 2012. (Plenary lecture)

The Sixth International Conference on SUMO, Ubiquitin, Ubl proteins. Houston, TX, Feb 8-11, 2012.

13th SCBA (Society of Chinese Bioscientists in America) International Symposium, GuangZhou, China, July, 2011

The 6th Asian-Pacific Organization for Cell Biology Congress, Nandaluyong City, Philippines, Feb. 2011

The 20th FAOBMB (Federation of Asian and Oceanian Biochemists and Molecular Biologists) Conference, Taipei, Taiwan, Oct 2008.

International Symposium on Cell Signaling and Gene Regulation. Tainan, Taiwan, Nov, 2006.

Taiwan-Scotland Bilateral Developmental Biology Symposium. Taipei, Taiwan, Sept. 2006.

EU Conference on “Calcium/calmodulin-regulated kinases – from protein structure to cellular function” Weizmann Institute of Science, Israel, Dec. 2005.

The New Century Health Care Promotion Foundation 8th Symposium. Taipei, Taiwan, Oct. 2004.

Minisymposium on Cell Signaling and Gene Expression, Tainan, Taiwan, Oct. 2003.

The 16th FAOBMB (Federation of Asian and Oceanian Biochemists and Molecular Biologists) Conference, Taipei, Taiwan, Sept., 2002.

Symposium on Cell Signaling and Gene Expression, Kobe, Japan, Oct., 2001

The 4th AIMBN (Asia-Pacific International Molecular Biology Network) Conference, Taipei, Taiwan, Sept., 2001

FASEB (Federation of American Societies for Experimental Biology) Summer Conference: TGF- β Superfamily, Tucson, Arizona, USA, July, 2001

INVITED SPEAKER IN OTHER MAJOR CONFERENCES

Keynote Lecture, The 34th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan, March 23-24, 2019

Taiwan Bio-development Foundation Annual Meeting, Taipei, Taiwan Sept 7, 2018.

The Taiwan Society for Biochemistry and Molecular Biology Autumn Camp, Kaoshiung, Taiwan, Nov. 17-19, 2017

The 12th Across the Taiwan Strait Symposium on Cell Biology, Hualien, Taiwan, March 13-15, 2017

Keynote Speaker, Cell Dynamics Conference, Tainan, Taiwan, Oct. 25, 2016

Keynote Speaker, The 3rd Translational Medicine Conference, Taipei, Taiwan, Sept. 2, 2016

NHRI Biomedical Symposium, Zhunan, Taiwan, Aug. 15, 2016

International Symposium of Cancer Center of Excellence, Taipei, Taiwan, Dec 7, 2015

Special Lecture, The 30th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan, March 21-22, 2015

Mini-symposium on Autophagy, Taipei, Taiwan, March 17, 2015

Taiwan-Swiss Biomedical Symposium, Taipei, Taiwan, Sept. 10-11, 2013

Keynote speaker, Molecular Medicine Program Annual Retreat, Taiwan Interactional Graduate Program, Taipei, Taiwan, Sept. 6, 2013.

Recent Advances in Molecular Biology and Translational Medicine, Taipei, Taiwan, Aug. 8, 2013

Frontier in Neurodegeneration Diseases and Beyond – from basic to translational, Taipei, Taiwan, May 3-4, 2013

Annual Symposium on Professor Jung-Yaw Lin Education Foundation, Kaoshiung, Taiwan, June 28-29, 2012

Symposium on Chemical Biology, Taipei, Taiwan, March 8-9, 2012

The 2nd Symposium on ubiquitin and ubiquitin-like modifications, Nov, 2011

TienTe Lee Award Laureate Club Symposium, Maoli, Taiwan, Aug, 2011

The 8th Across the Taiwan Strait Symposium on Cell Biology, Tainan, Taiwan, May, 2011

NHRI Biomedical Symposium, Zhunan, Taiwan, Aug 2010

The 25th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan, March, 2010

The 7th Across the Taiwan Strait Symposium on Cell Biology, Xi-An, China, July, 2009.

The 23th Joint Annual Conference of Biomedical Sciences, Taipei, Taiwan, March, 2008

16th Symposium on Recent Advances in Cellular and Molecular Biology, Kenting, Taiwan, Jan, 2008

Symposium of Protein Modification by SUMO, ubiquitin and Nedd8 (SUN), Taipei, Taiwan, Nov, 2007

IBC Symposium on Protein Post-translational Modifications, Taipei, Taiwan, Dec, 2006.

The 4th Across the Taiwan Strait Symposium on Cell Biology, Kenting, Taiwan, April, 2004

The 3rd Symposium for the Society of Biochemistry and Molecular Biology, Tainan, Taiwan, Nov., 2003

Keynote Speaker, 19th Biology Summer Camp, Taichung, Taiwan, Aug., 2003

The 2nd NHRI Conference for Signal Transduction, Taoyuan, Taiwan, March, 2003

Genetic Society Annual Conference. Taipei, Taiwan, Sept. 2002.

The 1st NHRI Conference for Signal Transduction, Taoyuan, Taiwan, Feb., 2001

The 2nd Across the Taiwan Strait Symposium on Cell Biology, Taipei, Taiwan, Jan, 1999

The 7th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 1999.

INVITED SEMINAR (Foreign)

Invited seminar, Cellular and Molecular Oncology, College de France, France, June 15, 2018

Invited seminar, Dept of Molecular Genetics, Weizmann Institute, Rehovot, Israel, June 11, 2015

Invited seminar, Institute of Biomedical Sciences, East China Normal University, Shanghai, China, June 12, 2014

Invited seminar, Shanghai Institutes for Biological Sciences, Chinese Academy of Science, Shanghai, China, June 13, 2014

Invited seminar, UC Davis Cancer Center, Sacramento, CA, April 4, 2013

Invited seminar, Life Science Institute, Zhejiang University, China, May 31, 2012

Invited seminar, Fujian Medical University, Fuzhou, China, May 29, 2012

Signal Transduction Friday Seminar Series at Harvard Medical School, Dec 4, 2009.

Special Seminar at Department of Biochemistry and Molecular Biology, Michigan State University, Sept. 10, 2010.

Special Seminar at Institute for Cancer Genetics, Columbia University, NYC, USA, May 23, 2011.

Seminar at NHLBI, NIH, May 27, 2011.

MEETING ORGANIZER

Organizing Committee, 9th International Symposium on Autophagy, Taipei, Taiwan, Nov 3-7, 2019

Program Committee, 17th SCBA (Society of Chinese Bioscientists in America) International Symposium, Kunming, China, July, 2019

Organizing Committee, The Taiwan Society for Biochemistry and Molecular Biology Autumn Camp, Kaoshiung, Taiwan, Nov 2017

Organizing Committee and Symposium Chairperson, 23th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2016.

Organizing Committee, 21th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2014.

Organizing Committee and Symposium Chairperson, The 2nd International Symposium on ubiquitin and ubiquitin-like modifications, Taipei, Taiwan, Nov, 2011.

Organizing Committee, Biology Summer Camp, Nanto, Taiwan, 2011

Organizing Committee, 8th Across the Taiwan Strait Symposium on Cell Biology, Tainan, Taiwan, May, 2011

Organizing Committee and Symposium Chairperson, The 20th FAOBMB (Federation of Asian and Oceanian Biochemists and Molecular Biologists) Conference, Taipei, Taiwan, Oct 2008.

Organizing Committee, Symposium of Protein Modification by SUMO, ubiquitin and Nedd8 (SUN), Taipei, Taiwan, Nov, 2007

Co-chairperson of Organizing Committee, NHRI Conference on Signal Transduction and Developmental Biology, Zhunan, Taiwan, May, 2007

Organizing Committee, 15th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2007.

Organizing Committee, IBC Symposium on Protein Post-translational Modifications, Taipei, Taiwan, Dec, 2006

Organizing Committee, 14th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2006.

Organizing Committee, 3rd NHRI Conference on Signal Transduction, Zhunan, Taiwan, March, 2005

Organizing Committee, 13th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2005.

Organizing Committee, 12th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2004.

Organizing Committee, 2nd NHRI Conference on Signal Transduction, Taoyuan, Taiwan, March, 2003

Organizing Committee, 11th Symposium on Recent Advances in Cellular and Molecular Biology (Kenting Winter Camp), Kenting, Taiwan, Jan, 2003.

Organizing Committee, 1st NHRI Conference on Signal Transduction, Taoyuan, Taiwan, Feb., 2001

AD HOC REVIEWER FOR INTERNATIONAL JOURNALS

Nature Cell Biology, Molecular Cell, Nature Communications, Journal of Cell Biology, Trends in Biochemical Sciences, Cancer Research, Autophagy, Cell Research, Cell Death and Differentiation, Oncogene, EMBO Report, Hepatology, Journal of Proteome Research, Journal of Pathology, Human Molecular Genetics, Molecular and Cellular Biology, PLoS One, Scientific Reports, FEBS Journal, Experimental Cell Research, British Journal of Cancer, Laboratory Investigation, Cell Proliferation, Molecular Cancer Research, Molecular Carcinogenesis, Molecular Oncology, Genes & Cancer, International Journal of Cancer, Cell & Bioscience, European Cytokine Network,

Journal of Biomedical Science, Journal of the Formosan Medical Association, Liver International, BBA, Breast Cancer Research, Cell Communication and Adhesion, Frontiers in Molecular and Cellular Oncology

POSTDOCTORAL TRAINEES

Past:

Chun-Hau Chen (currently Instructor at Harvard Medical School)
Won-Jin Wang (currently Assistant Professor at National Yang Ming University)
Jean-Cheng Kuo (currently Associate Professor at National Yang Ming University)
Cynthia Wei-Sheng Lee (currently Associate Investigator at China Medical University Hospital)
Hsin-Yi Chen (currently Assistant Professor at Taipei Medical University)
Che-Hung Shen (currently Assistant Investigator at National Health Research Institutes, Taiwan)
Mei-Yao Lin (currently Research Associate at NIH)
Yu-Min Lin (currently Postdoctoral Fellow at Harvard Medical School)
Yu-Ru Lee (currently Postdoctoral Fellow at Harvard Medical School)
Wei-Chien Yuan (currently Postdoctoral Fellow at Harvard Medical School)
Hsin-Chieh Wu (currently Postdoctoral Fellow at College de France)

Present:

Ya-Ting Wang
Pei-Rung Wu
Boon-Shin Tan

GRADUATE STUDENTS

Ph.D. Program

Past:

Yuh-Tyng Tsai (Ph.D., 2003; currently Research Scientist at ITRI, Taiwan)
Shuei-Liong Lin (Ph.D., 2004; currently Professor at National Taiwan University)
Chun-Hau Chen (Ph.D., 2004; currently Instructor at Harvard Medical School, Boston)
Won-Jin Wang (Ph.D., 2005; currently Assistant Professor at National Yang Ming University)
Jean-Cheng Kuo (Ph.D., 2005; currently Associate Professor at National Yang Ming University)
Hsin-Yi Chen (Ph.D., 2007; currently Assistant Professor at Taipei Medical University)
Che-Hung Shen (Ph.D. 2008; currently Assistant Investigator at National Health Research Institutes, Taiwan)
Yu-Ru Lee (Ph.D., 2011; Postdoctoral Fellow at Harvard Medical School)
Pei-Rung Wu (Ph.D., 2011; currently Postdoctoral Fellow in my lab)
Mei-Yao Lin (Ph.D., 2011; currently Research Associate at NIH)
Yu-Min Lin (Ph.D., 2012; currently Postdoctoral Fellow at Harvard Medical School)
Wei-Chien Yuan (Ph.D., 2013; currently Postdoctoral Fellow at Harvard Medical School)
Hsin-Chieh Wu (Ph.D., 2014; currently Postdoctoral Fellow at College de France)
Yu-Ching Lin (Ph.D., 2014; currently Project Manager at Abnova, Inc.)
Chin-Chih Liu (Ph.D., 2015; currently postdoctoral fellow at Harvard Medical School)
Ya-Ting Wang (Ph.D., 2017; currently postdoctoral fellow at City of Hope, USA)

Present:

Fei-Yun Chen
Yuh-Hsuan Chen

Shang-Yin Chiang
Shaifali Singh

Master Program

Past:

Chuan-Wei Jang (M.S., 2001; Ph.D. at Baylor College of Medicine; currently Research Assistant Professor at University of North Carolina)
Jia-Jen Lin (M.S., 2002; Ph.D. at Stanford University; currently Postdoctoral Fellow at Harvard Medical School)
Jia-Yun Chen (M.S., 2002; Ph.D. at Stanford University; currently Postdoctoral Fellow at Harvard Medical School)
Feng-Chi Lin (M.S., 2003; currently Manager in DuPont, Taiwan)
Hsuan-Chung Ho (M.S., 2004; Ph.D. at UC Davis currently Postdoctoral Fellow at Cornell University)
Yu-Min Lin (M.S., 2004; Ph.D. at NTU; currently Postdoctoral fellow at Harvard Medical School)
Yuan-Ping Huang (M.S., 2005; Ph.D. at Columbia University; currently Associate at McKinsey & Company)
Wei Ku (M.S., 2005)
Yi-Ru Chen (M.S., 2005, currently CRA in Pharmaceutical Company)
Ming-Shien Lin (M.S., 2007; currently CRA in Merck)
Yi-Chien Lee (M.S., 2007; Currently Senior Analyst in LA-SER group)
Wei-Chien Yuan (M.S., 2007; currently postdoctoral fellow at Harvard Medical School)
Fang-Yen Li (M.S., 2009; currently Ph.D. student at Institute of Immunology, NTU)
Cheng-Ta Chiang (M.S., 2009; currently CRA in Pharmaceutical Company)
Chun-Kai Lai (M.S., 2009; currently Biotech Company)
Li-Ting Lu (M.S., 2010, currently Research Scientist at Far Eastern New Century Corp.)
Ching-Rung Lin (M.S., 2010; currently Ph.D. student at Cornell Medical College)
Tzu-Ying Chen (MS, 2011; currently Assistant Research Fellow at Tanvex Biologics Corp.)
Hsiang-Chin Chung (M.S., 2011; currently Ph.D. student at Baylor College of Medicine)
Fei-I Lien (M.S., 2012)
Tse-Hsiang Chen (M.S., 2012; currently Ph.D. student at ETH Zurich)
Jui-Yu Hu (M.S., 2013; currently Project Manager at Biotech)
Chih-Chun Chan (M.S., 2013; currently biotech company)
Liang-Yu Pang (M.S., 2014; currently Ph.D. student at John Hopkins University)
Shang-Yin Chiang (M.S., 2015; currently Ph.D. student in my lab)
Fen-Yi Chen (M.S., 2015; currently Ph.D. student at Yale University)
Hsiang-Rung Hsiao (M.S., 2016)
Chi-Huan Ho (M.S., 2016; currently military training)
Ming-Chi Yang (M.S., 2017; currently research assistant in my lab)

Present:

Chun-Chieh Liao
Ming-Yu Yang
Tze-Yu Huang
Hsin-Hsin Liu

RESEARCH ASSISTANTS

Past:

Yi-Hsien Su (currently Associate Research Fellow at ICOB, Academia Sinica)

Li-Chiou Rachel Chuang (currently Group Leader at DiaCarta, Inc.)
 Tzu-Nan Huang (currently Postdoctoral Fellow at IMB, Academia Sinica)
 Chun-Chieh Chen
 Pei-Ru Lu (Currently Assistant Professor at New York University)
 Hsiao-Chien Tsai
 Yuan-Ping Huang (currently Associate at McKinsey & Company)
 Meng-Jung Chiang (Ph.D. student at John Hopkins University; currently Postdoctoral Fellow at FDA)
 Yu-Han Chen (currently Postdoctoral fellow at UC Irvine)
 Hsiang-Hao Chuang (currently Postdoctoral fellow at Kaoshiung Medical University)
 Eric Liang (currently Postdoctoral fellow at University of Oxford)
 Hsin-Jung Chou (currently Ph.D. student at University of Massachusetts)
 Ching-Rung Lin (currently Ph.D. student at Cornell Medical College)
 Yen Pei Tan (currently Ph.D. student at Hong Kong University)
 Cheng-Hsin Liu (currently Ph.D. student at Baylor College of Medicine)
 Hsuan-An Chen (currently Ph.D. student at Memorial Sloan Kettering Cancer Center)
 Chun-Min Chen (currently at United Biopharma, Inc.)

Present:

Wen-Chao Kao
 Ming-Chi Yang

SERVICE

1998-Present Ad hoc primary/secondary reviewer for NSC/MOST grants
 2007, 2008 Ad hoc reviewer for NSF grants (USA)
 2009 Ad hoc reviewer for Welcome Trust-DBT Grant (UK)
 2012 Ad hoc reviewer for Prostate Action grant (UK)
 2003-Present Council member, Taiwan Society for Cell and Molecular Biology
 2007-2015 Council member, Taiwan Society for Biochemistry and Molecular Biology
 2004-2006 Deputy Chair, Innovative Research Project Committee, NRPGM
 2006-2010 Member, Innovative Research Project Committee, NRPGM
 2007-2009 Chair, Division of Biochemistry, Molecular Biology, and Pharmacology,
 Department of Life Sciences, National Science Council
 2007-2011 NSC Postdoctoral Fellowship Reviewer
 2009 Reviewer for Higher Education Evaluation & Accreditation Council in Taiwan
 2009, 2013-16 Scientific Review Committee for NHRI Integrated Research Grants
 2007-2011 Chair, Academia Sinica Animal Facility Committee
 2007-2011 Academia Sinica Recruitment and Promotion Committee Member
 2009-2011 Academia Sinica Ethic Committee Member
 2011-present National Yang Ming University Research Excellence Award Committee Member
 2010-2016 Academia Sinica Institutional Review Board Member
 2016-present Deputy Chair, Academia Sinica Institutional Review Board
 2009-2015 National RNAi Core Facility User Committee Member
 2015-present Chair, National RNAi Core Facility User Committee
 2011-2013 Ad hoc reviewer for NSC Stem Cell Grants
 2012-present Reviewer/Review Committee Member for TienTe Lee Award (Young Scientist and Distinguished Thesis)

- 2013-2017 Reviewer, NSC/MOST Outstanding Research Award
- 2013-present Recruitment and Reappointment Committee Member for Institute of Molecular and Genomic Medicine, National Health Research Institute
- 2013-present NHRI Recruitment and Promotion Committee Member
- 2013-2015 Committee Member, Award for Outstanding Contributions in Science and Technology, Executive Yuan
- 2013-2016 Advisory Committee for International Center of Excellence in Cancer Research
- 2013-present National Cheng Kung University Distinguished Professor Reviewer and Outstanding Paper Award Reviewer
- 2013-2015 National Chung Hsing University Distinguished Professor Reviewer Committee
- 2015 Ad hoc Scientific Review Committee Member for National Institute for Cancer Research, National Health Research Institute
- 2015-present Reviewer, Bilateral grant for NTUH and NTU College of Medicine
- 2015-2017 Elected Council Member of Academia Sinica
- 2016-2017 Elected Member, The Committee for Improvement of Organization and Operation at Academia Sinica
- 2016-present Award Review Committee, Wang Ming Ning Memorial Foundation
- 2017 Ad hoc Scientific Review Committee Member for Institute of Molecular and Genomic Medicine, National Health Research Institute
- 2017-2018 Review Committee Member, Academia Sinica Young Investigator Award

PUBLICATIONS

- 1) **Chen, R.-H.**, V.M. Maher, and J.J. McCormick. (1990) Effect of excision repair by diploid human fibroblasts on the kinds and locations of mutations induced by (\pm)-7 β , 8 α -dihydroxy-9 α , 10 α -epoxy-7, 8, 9, 10, -tetrahydrobenzo[a]pyrene in the coding region of the HPRT gene. Proc. Natl. Acad. Sci. (USA), 87: 8680-8685.
- 2) Yang, J.-L., **R.-H. Chen**, V.M. Maher, and J.J. McCormick (1991) Kinds and locations of mutations induced by (\pm)-7 β , 8 α -dihydroxy-9 α , 10 α -epoxy-7, 8, 9, 10, -tetrahydrobenzo[a]pyrene in the coding region of HPRT gene in diploid human fibroblasts. Carcinogenesis, 12: 71-75.
- 3) McGregor, W.G., **R.-H. Chen**, L. Lukash, V.M. Maher, and J.J. McCormick. (1991) Cell cycle-dependent strand bias for UV-induced mutations in the transcribed strand of excision repair-proficient human fibroblasts but not in repair-deficient cells. Mol. Cell. Biol., 11: 1927-1934.
- 4) **Chen, R.-H.**, V.M. Maher, and J.J. McCormick (1991) Lack of a cell cycle-dependent strand bias for mutations induced in the HPRT gene by (\pm)-7 β , 8 α -dihydroxy-9 α , 10 α -epoxy-7, 8, 9, 10, tetrahydrobenzo[a] pyrene in synchronized populations of excision repair-deficient XP cells. Cancer Res., 51: 2587-2592.
- 5) Maher, V.M., J.-L Yang, **R.-H. Chen**, W.G. McGregor, L. Lukash, J.M. Scheid, D.S. Reinhold, and J.J. McCormick (1991) Use of PCR amplification of cDNA to study mechanism of human cell mutagenesis and malignant transformation. Environ. and Molec. Mutagen. 18: 239-244.

- 6) **Chen, R.-H.**, V.M. Maher, J. Brouwer, P. van de Putte, and J.J. McCormick (1992) Preferential repair and strand-specific repair of benzo[a]pyrene diol epoxide adducts in the HPRT gene of diploid human fibroblasts. *Proc. Natl. Acad. Sci. (USA)*, 89: 5413-5417.
- 7) **Chen, R.-H.**, R. Ebner, and R. Derynck (1993) Inactivation of the type II receptor reveals two receptor pathways for the diverse TGF- β activities. *Science*, 260: 1335-1338.
- 8) Ebner, R., **R.-H. Chen**, L. Shum, S. Lawler, T. F. Zioncheck, A. Lee, A. R. Lopez, and R. Derynck (1993) Cloning of a type I TGF- β receptor and its effect on TGF- β binding to the type II receptor. *Science*, 260: 1344-1348.
- 9) Ebner, R., **R.-H. Chen**, S. Lawler, T. F. Zioncheck, and R. Derynck (1993) Determination of type I receptor specificity by the type II receptors for TGF- β and activin. *Science*, 262: 900-902.
- 10) **Chen, R.-H.**, and R. Derynck (1994) Homomeric interactions between the type II TGF- β receptors. *J. Biol. Chem.*, 269: 22868-22874.
- 11) **Chen, R.-H.**, H. L. Moses, E. M. Maruoka, R. Derynck and M. Kawabata (1995) Phosphorylation-dependent interaction of the cytoplasmic domains of the type I and type II TGF- β receptors. *J. Biol. Chem.*, 270: 12235-12241.
- 12) McGregor, W. G., M. C.-M. Mah, **R.-H. Chen**, V. M. Maher and J. J. McCormick. (1995) The effect of adduct structure on the rate and strand specificity of DNA repair in diploid human fibroblasts. *J. Biol. Chem.*, 270: 27222-27227.
- 13) **Chen, R.-H.**, P. Miettinen, E. M. Maruoka, L. Choy and R. Derynck. (1995) A WD-domain protein that is associated with and phosphorylated by the type II TGF- β receptor. *Nature*, 377: 548-552.
- 14) Lawler, S., X-H. Feng, **R.-H. Chen**, E. M. Maruoka, C. W. Turck, I. Griswold-Plenner, and R. Derynck (1997) The type II transforming growth factor- β receptor autophosphorylates not only on serine and threonine but also on tyrosine residues. *J. Biol. Chem.*, 272: 14850-14859.
- 15) **Chen, R.-H.***, and T.-Y. Chang (1997) Involvement of caspase-family proteases in transforming growth factor- β -induced apoptosis. *Cell Growth & Diff.*, 8: 821-827.
- 16) Verlhac, M.-H., **R.-H. Chen**, P. Hanachi, J.W.B. Hershey and R. Derynck (1997) Identification of partners of TIF34, a component of the yeast eIF3 complex, required for cell proliferation and translation initiation. *EMBO J.*, 16: 6812-6822.
- 17) McGregor, W.G., D. Wei, **R.-H. Chen**, V. M. Maher, J. J. McCormick (1997) Relationship between adduct formation, rates of excision repair and the cytotoxic and mutagenic effects of structurally-related polycyclic aromatic carcinogens. *Mutat Res.* 376: 143-152.
- 18) **Chen, R.-H.***, Y.-H. Su, R. L. C. Chuang, and T.-Y. Chang (1998) Suppression of transforming growth factor- β -induced apoptosis through a phosphatidylinositol 3-kinase/Akt-dependent pathway. *Oncogene*, 17: 1959-1968.

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