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**Chun-Ming Huang, Ph.D.**

Department of Biomedical Sciences & Engineering  
College of Health Sciences & Technology, National Central University  
No. 300, Zhongda Rd., Zhongli District, Taoyuan City 32001, Taiwan  
Phone No.: 03-4227151 ext.36104  
E-mail: [chunming@cc.ncu.edu.tw](mailto:chunming@cc.ncu.edu.tw)  
Web: [http://dbse.ncu.edu.tw/index.php/ch/faculty/faculty\\_more/id/8.html](http://dbse.ncu.edu.tw/index.php/ch/faculty/faculty_more/id/8.html)



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**Education**

- 1990 B.S., Dept. of Zoology, National Taiwan University, Taiwan  
1995 Ph.D., Inst. of Zoology, National Taiwan University, Taiwan

**Research and Professional Positions Held in Chronological Sequence**

- 1995-1996 Postdoc, Molecular Biology, Fred Hutchinson Cancer Research Center, U.S.A.  
1996-1998 Postdoc, Biochemistry, Institute of Biomedical Sciences, Academia Sinica, Taiwan  
1998-2000 Postdoc, Proteomics, Institute of Biological Chemistry, Academia Sinica  
2000-2001 Assistant Professor, Center for Neuroscience, National Sun Yat-sen University, Kaohsiung, Taiwan  
2001-2002 Research Scientist, Vaxin, Inc., Birmingham, Alabama  
2002-2005 Assistant Professor, Department of Dermatology, The University of Alabama at Birmingham, Birmingham, Alabama  
2004-2005 -Assistant Professor. Co-appointment, Department of Pathology, The University of Alabama at Birmingham, Birmingham, Alabama  
-Co-director, Skin Proteomics Core of UAB Skin Disease Research Center  
2005-2007 Associate Professor, La Jolla Institute for Molecular Medicine, San Diego, California  
2006-2009 Research Scientist, Co-appointment, Veterans Medical Research Foundation of San Diego  
2006-2011 Associate Professor, Division of Dermatology, School of Medicine, University of California, San Diego, CA  
2007-2014 Associate Member, Moores Cancer Center, University of California, San Diego  
2011-2014 Professor, Department of Dermatology, School of Medicine, University of California, San Diego, CA  
2014-present -Adjunct Professor, Department of Dermatology, School of Medicine, University of California, San Diego, CA  
-Chair Professor, Department of Biomedical Sciences and Engineering, National Central University, Taiwan  
2015-2018 Chairman, Department of Biomedical Sciences and Engineering, National Central University, Taiwan

**Research Interests**

In the past years, our research has been focused on the human microbiome and its association with human diseases. A human microbiome is the totality of microbes, their genetic elements (genomes), and environmental interactions in a defined environment. A defined environment could, for example, be the skin of a human being. The number of hosted microbes is considered to be 10 times more than the total number of human cells.

In a 200-pound person, the microbiome can weigh two to six pounds. Our research aims to characterize the microbial communities found at several different sites on the human body, including skin (skin microbiome), nasal passages (nasal microbiome) and oral cavities (oral microbiome), and to analyze the role of these microbes in human health and disease. We have identified several probiotic bacteria and their associated prebiotics, and post-biotics for treatments of various skin diseases including of *S. aureus* infections.

### **Major Honors and Awards**

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| 2009 | Research Grant Award, Dermatology Foundation/USA; 2009 Galderma International Award |
| 2015 | Chair Professor in the Foundation for The Advancement of Outstanding Scholarship    |