

Chuan-Yih Yu

800 N Union St. Apt 711
Bloomington, Indiana 47408

(812)361-9701
pauyu@pauyu.org

RESEARCH INTERESTED

Focus on glycomics and proteomics using mass spectrometry, especially on glycan structure and protein quantitation. Also interested in drug design and biomarker discovery.

EDUCATION

- Indiana University School of Informatics and Computing, Bloomington, Indiana (2010.09~ Present)
Doctor of Philosophy in Bioinformatics track
- Indiana University School of Informatics and Computing, Bloomington, Indiana (2008.09~2010.06)
Master of Science in Bioinformatics (GPA 3.9)
- Aletheia University, Tamsui, Taiwan (2000.09~2004.06)
Bachelor of Science in Computer Science (Major GPA 3.79)

WORK EXPERIENCES

- Research Assistants, Computational Omics Lab, School of Informatics and Computing, IUB (2008.12~ Present)
- Visiting scholar, National Institute of Informatics, Japan (2010.06~ 2010.08)
- Associate Instructor, School of Informatics, IUB (2008.09~2008.12)
- Research Assistants, Bioinformatics Lab, IIS, Academia Sinica, Taiwan (2006.09 ~ 2008.06)
Developed; protein quantitation software and mass spectrometry software library.

PROFESSIONAL MEMBERSHIP

- American Society for Mass Spectrometry student member (2009.1~ Present)
- Taiwan Proteomics Society student member (2007.1~2007.12)

SKILLS

- Comparative Programming Languages: C, C#, Java, perl, python
- Web development: HTML, Dreamweaver, ASP.NET
- Database Management: Microsoft SQL, Access, mysql

CERTIFICATIONS

- Microsoft Certified Solution Developer on VB 6.0 (2003.09)
- Microsoft Certified Database Administrator on SQL 2000 (2002.10)
- Microsoft Certified Systems Administrator on Windows 2000 (2002.02)
- Microsoft Certified Systems Engineer on Windows 2000 (2001.07)
- Microsoft Certified Professional (2001.05)

PUBLICATION

● ARTICLES

- “N-Glycan Profiling by Microchip Electrophoresis to Differentiate Disease-States Related to Esophageal Adenocarcinoma” Analytical Chemistry, I. Mitra, Z. Zhuang, Y. Zhang, **C.Y. Yu**, Z. T. Hammoud, H. Tang, Y. Mechref, and S. C. Jacobson, Mar. 2012
- “Bioinformatic Approaches in Glycomics and Glycoproteomics” Current Proteomics, A. Mayampurath, **C.Y. Yu** and H. Tang, Dec. 2011

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- “MaXIC-Q Web: a fully automated web service using statistical and computational methods for protein quantitation based on stable isotope labeling and LC–MS.” Nucleic Acids Research, C.C. Tsou, Y.H. Tsui, Y.H. Yian, Y.J. Chen, H.Y. Yang, **C.Y. Yu**, K.S. Lynn, Y.J. Chen, T.Y. Sung, W.L. Hsu. Jan. 2009
- "The Multi-Q web server for multiplexed protein quantitation." Nucleic Acids Research, **C.Y. Yu**, Y.H. Tsui, Y.H. Yian, T.Y. Sung and W.L. Hsu, Jul. 2007

● CONFERENCE PRESENTATIONS

- “Biomarker discovery by automatic annotation Multi N-glycan composition in MALDI-TOF spectra” **C.Y. Yu**, A.M. Mayampurath, Y. Mehcref, H. Tang, Poster presented on ASMS 58th.
- "MSMRI: Mascot and SEQUEST Mass Result Inspector" **C.Y. Yu**, Y.H. Tsui, C. C. Tsou, T.Y. Sung and W.L. Hsu, Poster presented on Taiwan Proteomics Society International Conference 2007

VOLUNTEER AND ACTIVITIES

- R. I. 3520 Rotaract Club of Taipei Tunghua, Taipei ,Taiwan
 - Club Member (2004.04 ~ Present)
 - Director of Information Management (2007.07 ~ 2008.06)
 - Director of Vocational Service (2004.06 ~ 2005.07)
- Chief Operating Officer, Student association of Informatics, Aletheia University (2001.09 ~ 2002.06)