## Symposium of Medical Imaging — PET/MR and Molecular Images

### Date: 2016 年 10 月 29 日 (星期六)
**Place:** 福華國際文教會館 (Howard Civil Service International House)
**Address:** 台北市大安區新生南路三段 30 號 (No. 30, Sec. 3, Shin-Sheng South Road, Taipei)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker / Topic</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>09:00 – 09:20</td>
<td>Registration</td>
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<tr>
<td>09:20 – 09:30</td>
<td>Opening Superintendent Sheng-Jean Huang / Taipei City Hospital 台北市立聯合醫院</td>
<td>Superintendent Sheng-Huang Hsiao 蕭勝煌院長 台北市立聯合醫院仁愛院區</td>
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</table>
| 09:30 – 10:10 | **Dr. Hsiao-Ying (Monica) Wey**  
Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Harvard Medical School  
Simultaneous fMRI-PET for Imaging Neureceptor Dynamics in Human Brain | Superintendent Nobuyuki Okamura  
Professor Kun-Ju Lin 林昆儒主任 長庚醫院核子醫學部                  |
| 10:10 – 10:50 | **Professor Nobuyuki Okamura**  
Department of Pharmacology, Tohoku University School of Medicine  
Novel PET Probes for Imaging of Tau in Alzheimer’s Disease | Professor Chih-Kuang Liu 劉志光院長 台北市立聯合醫院中興院區  
Professor Li-Ren Wang 王俐人教授 長庚醫院影像診療科部 |
| 10:50 – 11:00 | Coffee Break                                                                   |                                                                            |
| 11:10 – 11:35 | **Dr. Jing-Ren Tseng**  
Department of Nuclear Medicine, Linkou Chang Gung Memorial Hospital / 林口長庚醫院核子醫學部  
Synchronous C11 Choline PET and Multiparametric MRI in Staging of Prostate Cancer | Superintendent Chih-Yi Huang 游治維教授  
Professor Shih-Chi Chih-Wei Yu 台大醫院影像學部 |
| 11:35 – 12:00 | **Dr. Chieh Lin**  
Department of Nuclear Medicine, Linkou Chang Gung Memorial Hospital / 林口長庚醫院核子醫學部  
PET and MRI in Multiple Myeloma and Related Disorders | Professor Shang-Yi Huang 黃聖懿教授  
台大醫院內科部  
Professor Chih-Wei Yu 游治維教授 台大醫院影像醫學部 |
<p>| 12:00 – 13:10 | Lunch Time                                                                     |                                                                            |</p>
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| 13:10 – 13:35 | **Dr. Wei-Tsung Chen** 陳慰宗醫師  
Taipei City Hospital, Renai Branch / 台北市立聯合醫院仁愛院區影像醫學科  
The Journey of My Study for Folate Receptor Targeted Molecular Imaging and Tumor Theragnosis. | **Professor Shiaw-Pyng Wey** 魏孝萍教授  
長庚大學醫學影像暨放射科學系 |
| 13:35 – 14:00 | **Dr. Bang-Bin Chen** 陳邦斌醫師  
Department of Medical Imaging, National Taiwan University Hospital / 台大醫院影像醫學部  
PET/MRI as an QIBA (quantitative image biomarkers) in Pancreatic and Liver Cancer | **Professor Ta-Sen Yeh** 葉大森教授  
長庚醫院一般外科系 |
| 14:00 – 14:25 | **Dr. Jane Wang** 王甄醫師  
Department of Radiology, Taipei Veterans General Hospital / 台北榮民總醫院放射線部  
PET/MRI in Evaluating Breast Cancer Underwent Neoadjuvant Chemotherapy — Outcome and Prognostic Predictor | **Professor Wan-Yuo Guo** 郭萬祐教授  
台北榮總放射線部 |
| 14:25 – 15:05 | **Professor Benjamin L. Franc**  
Department of Radiology and Biomedical Imaging, University of California, San Francisco  
PET/MRI of Breast Cancer — Unsolved Challenges and Opportunities | **Professor Ling-Ming Tseng** 曾令民教授  
台北榮總外科部 |
| 15:05 – 15:20 | **Coffee Break**                                                                             |                                                                            |
| 15:20 – 15:45 | **Dr. I-Lun Shih** 施怡倫醫師  
Department of Medical Imaging, National Taiwan University Hospital / 台大醫院影像醫學部  
PET/MR of Endometrial and Cervical Cancer: Pathological Correlation and Prognosis Prediction | **Professor Ruoh-Fang Yen** 顏若芳教授  
台大醫院核子醫學部 |
| 15:45 – 16:25 | **Professor Benjamin L. Franc**  
Department of Radiology and Biomedical Imaging, University of California, San Francisco  
PET/MRI of Gynecologic Cancers — Unsolved Challenges and Opportunities | **Professor Tzu-Chen Yen** 閻紫宸教授  
林口長庚醫院核子醫學部 |
| 16:25 – 16:30 | **Closing**  
**Professor Tiffany Ting-Fang Shih** 施庭芳教授  
Taipei City Hospital; National Taiwan University Hospital / 台北市立聯合醫院, 台大醫院影像醫學部  
**Professor Tzu-Chen Yen** 閻紫宸教授  
Linkou Chang Gung Memorial Hospital / 林口長庚紀念醫院核子醫學部 | |
### PERSONAL INFORMATION

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<thead>
<tr>
<th>Last Name</th>
<th>Wey</th>
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<tbody>
<tr>
<td>First Name</td>
<td>Hsiao-Ying (Monica)</td>
</tr>
<tr>
<td>Official Title</td>
<td>PhD.</td>
</tr>
<tr>
<td>Department</td>
<td>Athinoula A. Martinos Center for Biomedical Imaging</td>
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<td>Institute</td>
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<td>E-Mail</td>
<td><a href="mailto:wey@nmr.mgh.harvard.edu">wey@nmr.mgh.harvard.edu</a></td>
</tr>
</tbody>
</table>

### Education Background

- Ph.D. in Medical Physics (2011) University of Texas Health Science Center at San Antonio (UTHSCSA)
- B.S. in Radiological Sciences (2006) Chang Gung University, Taiwan

### Professional Career

- Nov 2014. Dr. Wey became Instructor in Radiology at Harvard Medical School and Assistant in Biomedical Engineering at Mass. General Hospital.
- Jul 2014. Dr. Wey received a NIH K99/R00 Pathway to Independent Grant Award for her work on neuroreceptor mapping using simultaneous PET/MRI.
- Assistant in Biomedical Engineering, Mass. General Hospital

### Publications

- Ren H, Wey HY, Strebl M, Neelamegam R, Ritter T, Hooker JM. Synthesis and

**PERSONAL INFORMATION**

<table>
<thead>
<tr>
<th><strong>Last Name</strong></th>
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<tbody>
<tr>
<td><strong>First Name</strong></td>
<td>Nobuyuki</td>
</tr>
<tr>
<td><strong>Official Title</strong></td>
<td>Professor</td>
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<tr>
<td><strong>Department</strong></td>
<td>Department of Pharmacology, Faculty of Medicine</td>
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<tr>
<td><strong>Institute</strong></td>
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<td><a href="mailto:nookamura@med.tohoku.ac.jp">nookamura@med.tohoku.ac.jp</a></td>
</tr>
</tbody>
</table>

**Education Background & Professional Career**

He received a Doctor of Medicine in 1994 from Tohoku University School of Medicine and a Doctor of Philosophy in 1998 from Tohoku University Graduate School of Medicine in Sendai, Japan. After postdoctoral training with Professor Hidetada Sasaki and Professor Hiroyuki Arai at the Department of Geriatric Medicine, Tohoku University Hospital (April 1998 - March 2001), he moved to the BF Research Institute, Inc. in Osaka, Japan, to begin the studies for the development of amyloid and tau PET probes (April 2001 - March 2003) with Professor Yukitsuka Kudo. In April 2003, he was appointed Research Associate at the Department of Pharmacology, Tohoku University School of Medicine. In 2009, he was working at the Mental Health Research Institute, Australia. After he returned to Japan, he was appointed Associate Professor of the Department of Pharmacology, Tohoku University School of Medicine.

**Research & Publications**

His research interests include the development of novel imaging probes for PET and optical imaging, and the pharmacological evaluation of anti-dementia drugs. He developed [11C]BF-227 for imaging amyloid deposits in Alzheimer’s disease and succeeded in imaging alpha-synuclein and prion amyloid deposits using this tracer. He additionally developed novel PET probes for imaging tau deposits in the human brain. He received the Young Investigator Award of Japan Foundation for Aging and Health (2005), Sakisaka Memorial Award (2006), JNM Best Paper (2008), Gold Award in Tohoku University School of Medicine (2011), SNM First Place Poster (2012), and the Encouraging Prize of Japan Society for Dementia Research (2006 and 2013).
# PERSONAL INFORMATION

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<th>Last Name</th>
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<tr>
<td>First Name</td>
<td>Jing-Ren</td>
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<tr>
<td>Official Title</td>
<td>Attending physician</td>
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<tr>
<td>Department</td>
<td>Nuclear Medicine</td>
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<td>Institute</td>
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<td>E-Mail</td>
<td><a href="mailto:drtsengjr@gmail.com">drtsengjr@gmail.com</a></td>
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</tbody>
</table>

## Education Background

- **2002/09~2010/06:** School of Medicine and Traditional Chinese Medicine, Chang Gung University School of Medicine, Taoyuan, Taiwan

## Professional Career

- **2015/07~present:** Attending physician, Department of Nuclear Medicine, Linkou Chang Gung Memorial Hospital.
- **2011/08~2015/07:** Residency, Department of Nuclear Medicine, Linkou Chang Gung Memorial Hospital.

## Publications

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<td><strong>Institute</strong></td>
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### Education Background
- Medical Doctor, Chang Gung University School of Medicine, Taoyuan, Taiwan
- Research master, Paris XII University, Creteil, France
- Doctor of Philosophy, Paris Est University (previous Paris XII), Creteil, France

### Professional Career
- Radiologist – board certified since 2005, Taiwan
- Nuclear Medicine physician – board certified since 2014, Taiwan
- Assistant Professor since 2016, Chang Gung Memorial Hospital, Taiwan

### Publications


### Personal Information

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<tr>
<th>Last Name</th>
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<tr>
<td>First Name</td>
<td>Wei-Tsung</td>
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<tr>
<td>Official Title</td>
<td>Chief</td>
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<tr>
<td>Department</td>
<td>Radiology</td>
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<tr>
<td>Institute</td>
<td>Taipei City Hospital, Renai Branch</td>
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<tr>
<td>E-Mail</td>
<td><a href="mailto:DAA36@tpech.gov.tw">DAA36@tpech.gov.tw</a></td>
</tr>
</tbody>
</table>

### Education Background

- 1988/06 Taipei Medical University, College of Medicine, M.D.
- 2011/06 National Taiwan University, the Graduate Institute of Clinical Medicine, Ph.D.

### Professional Career

- 1991/6~1995/7: Resident and Chief Resident, Radiology Department, Taipei City Hospital, Renai Branch.
- 1995/8~1997/7: Research Fellow, Radiology Department, Taipei City Hospital, Renai Branch.
- 1997/1~1997/7: Advanced study for MSK imaging in Radiology Department, Taipei Vegetarian General Hospital
- 1997/8~2015/7: Visiting Staff, Radiology Department, Taipei City Hospital, Renai Branch.
- 2002/3~2003/2: Center for Molecular Imaging, Radiology Department, Massachusetts General Hospital
- 2013/6~ present: Assistant Professor, College of Medicine, National Taiwan University
- 2015/8~ present: Chief, Radiology Department, Taipei City Hospital, Renai Branch.

### Publications

- RC Chen, WT Chen, HY Tu, et al. Assessment of Vascularity in Hepatic Tumors:


## PERSONAL INFORMATION

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<tr>
<th>Last Name</th>
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<tr>
<td>First Name</td>
<td>Bang-Bin</td>
</tr>
<tr>
<td>Official Title</td>
<td>Assistant Professor</td>
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<tr>
<td>Department</td>
<td>Medical Imaging</td>
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<td>National Taiwan University Hospital</td>
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<tr>
<td>E-Mail</td>
<td><a href="mailto:bangbin@gmail.com">bangbin@gmail.com</a></td>
</tr>
</tbody>
</table>

### Education Background
- **2007/07~2009/06**: Master degree of Graduate Institute of Clinical Medicine, National Taiwan University
- **1994/07~2001/07**: Bachelor’s degree of Medicine, National Taiwan University College of Medicine

### Professional Career
- **2014/08~present**: Clinical assistant professor, Department of Radiology, National Taiwan University College of Medicine
- **2008/07~present**: Attending staff, Department of Medical Imaging, National Taiwan University Hospital
- **2013/04~2014/01**: Research fellowship, New York University, Langone Medical Center
- **2013/02~2014/08**: Clinical instructor, Department of Radiology, National Taiwan University College of Medicine
- **2007/08~2008/07**: Fellowship, Department of Medical Imaging, National Taiwan University Hospital
- **2003/07~2007/07**: Residency, Department of Medical Imaging, National Taiwan University Hospital

### Publications
- Chen BB, Yeh CC, Chang TC, Hsiao CH, Chen KY, Liu KL. Computed Tomography Diagnosis Of Primary Thyroid Teratoma. J Formos Med Assoc 2005;104:514-7 (SCI)
- Hsu CY, Yu CW, Wu MZ, Chen BB, Huang KM, Shih TTF. Unusual Manifestations of Vertebral Osteomyelitis: Intraosseous Lesions Mimicking Metastases. AJNR


• Hou HA, Shih TTF, Liu CY, Chen Bang-Bin, Tang JL, Yao M, Huang SY, Chou WC, Hsu CY, Tien HF. Changes in magnetic resonance bone marrow angiogenesis on day 7 after induction chemotherapy can predict outcome of acute myeloid leukemia. Haematologica. 2010;95(8):1420-4. (SCI)


• Hung YJ, Shih TT, Chen BB, Hwang YH, Ma LP, Huang WC, Liou SH, Ho IK, Guo YL. The Dose-Response Relationship Between Cumulative Lifting Load and Lumbar Disk Degeneration Based on Magnetic Resonance Imaging Findings. Phys Ther. 2014 Jun 26. (SCI)


• Shih IL, Yen RF, Chen CA, Chen BB, Wei SY, Chang WC, Sheu BC, Cheng WF, Tseng YH, Chen XJ, Chen CH, Wei LH, Chiang YC, Torng PL, Yen ML, Shih TT.

• Standardized uptake value and apparent diffusion coefficient of endometrial cancer evaluated with integrated whole-body PET/MR: Correlation with pathological prognostic factors. J Magn Reson Imaging. 2015 Apr 27. (SCI)

• Lu YS, Chen TW, Lin CH, Yeh DC, Tseng LM, Wu PF, Rau KM, Chen BB, Chao TC, Huang SM, Huang CS, Shih TT, Cheng AL; Taiwan Breast Cancer Consortium.

• Bevacizumab preconditioning followed by Etoposide and Cisplatin is highly effective in treating brain metastases of breast cancer progressing from whole-brain radiotherapy. Clin Cancer Res. 2015 Apr 15;21(8):1851-8. (SCI)


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<tr>
<td>First Name</td>
<td>Jane</td>
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<tr>
<td>Official Title</td>
<td>MD, PhD</td>
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<tr>
<td>Department</td>
<td>Radiology</td>
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<td>Institute</td>
<td>Taipei Veterans General Hospital</td>
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<td>E-Mail</td>
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</tr>
</tbody>
</table>

## Education Background

- MD, College of Medicine, National Taiwan University, Taiwan
- PhD, Institute of Epidemiology and Preventive Medicine, College of Public Health, National Taiwan University

## Professional Career

- 1997-2015 Oct: attending physician, Department of Medical Imaging, National Taiwan University Hospital, Taiwan
- 2015 Oct till now: Attending physician, Department of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan
- 2003 Jan to Dec: Visiting assistant professor, Department of Radiology, University of Iowa Carver College of Medicine
- August/2011 to Oct/4/2015: Clinical assistant professor, Department of Radiology, National Taiwan University College of Medicine
- Oct/5/2015- Visiting assistant professor, Department of Radiology, National Taiwan University College of Medicine

## Publications

**Selected Publications**

**PERSONAL INFORMATION**

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<tr>
<th>Last Name</th>
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<tbody>
<tr>
<td>First Name</td>
<td>Benjamin</td>
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<tr>
<td>Official Title</td>
<td>Professor</td>
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<tr>
<td>Department</td>
<td>Radiology and Biomedical Imaging</td>
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<td>Institute</td>
<td>University of California, San Francisco, United States</td>
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<td>E-Mail</td>
<td><a href="mailto:benjamin.franc@ucsf.edu">benjamin.franc@ucsf.edu</a></td>
</tr>
</tbody>
</table>

**Education Background**

- Bachelor Degree in Chemical Engineering, Stanford University, California, USA
- Masters Degree in Chemical Engineering, Stanford University, California, USA
- Doctor of Medicine (MD) Degree, University of Southern California, USA
- Residency in Nuclear Medicine, Stanford University, California USA

**Professional Career**

- 2003-2007: Assistant Professor, University of California, San Francisco (California USA)
- 2007-2014: Chair of Nuclear Medicine, Executive Board, Radiological Associates of Sacramento Medical Group and Sutter Health; Assistant Professor, University of California, Davis (Sacramento, California USA)
- 2014-present: Professor, University of California, San Francisco (California USA)

**Publications**

- Hwang AB, Bacharach SL, Yom SS, Quivey JM, Franc BL, Xia P. Can PET or PET/CT acquired in a non-treatment position be accurately registered to planning CT? Int J Rad Onc, Biology, and Physics. 2009, 73(2):578-84.

*most relevant of 55 peer reviewed publications*
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<td>First Name</td>
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<tr>
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<td>Department of Medical Imaging</td>
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</tr>
</tbody>
</table>

## Education Background

- **2010-2012**: Master of Medical Science, Graduate Institute of Clinical Medicine, National Taiwan University
- **1998-2005**: M.D., School of Medicine, National Taiwan University

## Professional Career

- **2016-present**: Adjunct instructor, Department of Radiology, College of Medicine, National Taiwan University
- **2010-present**: Attending radiologist, Department of Medical Imaging, National Taiwan University Hospital
- **2005-2010**: Radiology Residency, Department of Medical Imaging, National Taiwan University Hospital

## Selected Publications