WMIC 2014 Optical Surgical Navigation Workshop
Wednesday, September 17, 2014
08:00 – 15:00
Auditorium Meeting Room 1A
COEX Convention Center, Seoul, Korea

Moderators:
James Basilion, Ph.D., Case Western Reserve University, USA
Keon Wook Kang, M.D., Seoul National University College of Medicine, Korea
Beop-Min Kim, Ph. D., College of Health Science, Korea University, Korea
Michael Tweedle, Ph.D., Ohio State University, USA

Speakers:
Speaker: James Basilion, Ph.D., Case Western Reserve University
Topic: Optically guided surgery
Talk Title: Defining the cutting edge: The use of molecular imaging for surgical guidance

Speaker: Jong Hee Chang, M.D., Ph.D., Severance Hospital, Yonsei University Health System
Topic: Fluorescence imaging in brain tumor surgery
Talk Title: Intraoperative fluorescence imaging in brain tumor surgery

Speaker: Kevin P. Francis, Ph.D., PerkinElmer
Topic: Clinical Translation of Optical Probes for Infectious Disease Imaging
Talk Title: Rapid in Vivo Assessment of Optical Probes for Identifying Clinically Relevant Bacterial Pathogens in Mice and Man

Speaker: Hyun Koo Kim, MD., PhD. Korea University Guro Hospital,
Topic: Image-guided surgery
Talk Title: Image-guided surgery in thoracic oncology

Speaker: Seok-ki Kim, M.D.,Ph.D., National Cancer Center
Topic: Near-infrared fluorescence guided surgery
Talk Title: Intraoperative image-guided surgery in Breast cancer

Speaker: Huang Ruimin, Ph.D., Memorial Sloan Kettering Cancer Center
Topic: Raman imaging; Nanoparticle; Infiltrating tumor margin; Micrometastatasis
Talk Title: Ultra-Sensitive Raman Nanoparticles for Detection of Microscopic Cancer

Speaker: Zhang Shuang, M.D., Northeastern University
Topic: Optical Imaging in-Human Clinical Studies
Talk Title: An optical surgical navigation system for intraoperative near-infrared fluorescence imaging

Speaker: Michael Tweedle, Ph.D. Ohio State University
Topic: Workflow and Regulatory Discussion

Speaker: Jinzi Zheng, Ph.D., Princess Margaret Cancer Centre
Topic: Image-guided surgery
Talk Title: Imaging Agents for High-Precision Surgery
**Program Schedule:**

**08:00 – 10:00: Clinical applications 1: Intraoperative image-guided surgery**

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tr>
<td>8:00 – 8:05</td>
<td>Welcome: James Basilion</td>
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<tr>
<td>8:05 – 8:30</td>
<td>James Basilion: Defining the cutting edge: The use of molecular imaging for surgical guidance</td>
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<td>8:30 – 9:00</td>
<td>Hyun Koo Kim: Image-guided surgery in thoracic oncology</td>
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<td>9:00 – 9:30</td>
<td>Jong Hee Chang: Intraoperative fluorescence imaging in brain tumor surgery</td>
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<td>9:30 – 10:00</td>
<td>Seoki Ki Kim: Intraoperative image-guided surgery in Breast cancer</td>
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**10:00 – 10:30: Coffee break**

**10:30 – 12:30: Clinical applications 2: Intraoperative image-guided surgery**

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<th>Topic</th>
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<tr>
<td>10:30 – 11:00</td>
<td>Christopher Contag: Macro- and microscopic imaging for guided-resection of medulloblastoma</td>
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<td>11:00 – 11:30</td>
<td>Huang Ruimin: Ultra-Sensitive Raman Nanoparticles for Detection of Microscopic Cancer</td>
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<td>11:30 – 12:00</td>
<td>Jinzi Zheng: Imaging Agents for High-Precision Surgery</td>
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<td>12:00 – 12:30</td>
<td>Zhang Shuang: An optical surgical navigation system for intraoperative near-infrared fluorescence imaging</td>
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**13:30 – 15:00: Optical Probes and Workflow/Regulatory Discussion**

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<tr>
<td>13:30 – 14:00</td>
<td>Kevin Francis: Rapid In Vivo Assessment of Optical Probes for Identifying Clinically Relevant Bacterial Pathogens in Mice and Man</td>
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<td>14:00 – 14:30</td>
<td>Michael Tweedle: Workflow and Regulatory Discussion</td>
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