# 1st DAILAB @ RCB Symposium (PIKNIKH Series XV)

**Platform for Innovating Knowledge to International KnowHow**

February 2, 2017

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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speakers/Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 - 10:35</td>
<td>Registration and Inaugural session</td>
<td></td>
</tr>
<tr>
<td>10:05 - 10:15</td>
<td>Dr. Sudhanshu Vrati, Executive Director, RCB, India Welcome address</td>
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<tr>
<td>10:15 - 10:25</td>
<td>Dr. Yoshihiro Ohmiya, Director, BMRI, Japan Brief Introduction of AIST and BMRI</td>
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<tr>
<td>10:25 - 10:35</td>
<td>Dr. Sunil Kaul, Chief Senior Researcher, AIST, Japan Brief Introduction of DAILAB@AIST</td>
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<tr>
<td>10:35 - 10:55</td>
<td>Scientific Session - I Health &amp; Disease - Novel Molecular Mechanisms</td>
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<tr>
<td>10:55 - 11:15</td>
<td>Dr. Sam Mathew, RCB, India Embryonic myosin heavy chain is a novel regulator of skeletal muscle differentiation</td>
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<td>11:15 - 11:30</td>
<td>GROUP PHOTO &amp; TEA</td>
<td></td>
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<tr>
<td>11:30 - 11:50</td>
<td>Dr. Sunil Kaul, Chief Senior Researcher, AIST, Japan Ashwagandha bioactive for cancer treatment: biology to biotechnology</td>
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<td>11:50 - 12:10</td>
<td>Dr. Avinash Bajaj, RCBI, India Translating the cellular mechanisms of tumor progression to future therapeutics using engineered biomaterials</td>
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<tr>
<td>12:10 - 12:30</td>
<td>Dr. Masami Kojima, AIST, Osaka, Japan BDNF - A multifunctional growth factor in brain disease diagnostics and therapeutics</td>
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12:30 - 12:50  
Dr. Chittur Srikantz, RCB, India  
Gut pathogen Salmonella remodels host SUMO landscapes to gain intracellular survival

12:50 - 13:10  
Dr. Pinky Kain Sharma, RCB, India  
Understanding neuronal ensheathment in the peripheral nervous system of Drosophila larva

13:10 - 14:00  
**LUNCH**

14:00 - 14:20  
Dr. Yoshihiro Ohmiya, Director, BMRI, Japan  
Quest for quantitative imaging-answers by bioluminescence

14:20 - 14:40  
Dr. K Vengadesan, RCB, India  
Visualization of bacterial pilus

14:40 - 15:00  
Dr. Kaoru Kato, AIST, Japan  
Observation of cellular fine structures with super resolution microscopes

15:00 - 15:20  
Dr. Saikat Bhattacharjee, RCB, India  
Immunity in plants: Dynamics of defense regulators and pathogen effector perturbations

15:20 - 15:40  
Dr. Yoshiaki Onishi, AIST, Osaka, Japan  
Building bioassays and botanicals for circadian rhythm managements

15:40 - 16:00  
**TEA**

15:50 - 16:00  
M. S. Tanwar, Towa Optics, India  
Introduction of Super resolution Technology

16:00 - 16:10  
Dr. Ajit Datar, Shimadzu Analytical (India) Pvt. Ltd.  
Mass spectrometry for disease biomarker

16:10 - 16:20  
Dr. Anjali Madhavan Shijo, Mitsui Chemical, Singapore  
Biotechnology research in Mitsui Chemicals Group

16:20 - 17:00  
Networking session  
Discussion on modalities of Imaging Workshop at RCB  
Free Interaction

17:00  
Departure
DAILAB PIKNIKH Series XV
(Platform for Innovating Knowledge to International KnowHow)
Cellular Mechanisms in Health and Disease - Building on Bioimaging & Beyond the Borders
February 2, 2017; RCB-Faridabad, India
DAILAB PIKNIKH Series XV
(Platform for Innovating Knowledge to International KnowHow)
Cellular Mechanisms in Health and Disease - Building on Bioimaging & Beyond the Borders
February 2, 2017; RCB-Faridabad, India
Minutes of the meeting
DAILAB-AIST
DAILAB-RCB
2017-02-02

Members

Dr. S. Vrati (Director, RCB, India)
Dr. Y. Ohmiya (Director, BMRI-AIST, Japan)
Dr. Y. Ohnishi (Deputy Director, BMRI-AIST, Japan)
Dr. S. Kaul, Chief Senior Scientist, BMRI-AIST, Japan
Dr. R. Wadhwa, Prime Senior Scientist, BMRI-AIST, Japan
Dr. S. Katoh Chief Senior Scientist, BMRI-AIST, Japan
Dr. S. Mylavaramu, Associate Prof. RCB, India
Dr. S. Mathew, Associate Prof. RCB, India

Discussion

• Logistics of imaging workshop to be held at RCB and helped by DAILAB-AIST-confocal
  1. Contents- Training for fluorescent microscopes, Confocal, Animal imaging, Super resolution, Cryo EM, Scanning EM.
  2. RCB technician go to AIST for pre-training that will be supported by AIST
  3. The trained technician and RCB team will conduct the imaging WS
  4. AIST will Invite microscope companies fro Japan and India
  5. AIST team will arrange the academic talks on imaging during the workshop
  6. RCB will select representative members to run the imaging WS along with AIST team
  7. RCB will apply for additional budget for imaging WS from DBT
  8. AIST will support their members who will run the workshop at RCB