

# SUT-BRIN Annual Meeting 2024

May 7-8, 2024, at BRIN, Jakarta, Indonesia

| Date        | Time  | Activity  |   |   |   |
|-------------|---|---|---|---|---|
| May 7, 2024 | 08.30-09.00   | Registration and Coffee Break   |   |   |   |
|             | 09.00-09.10   | Opening ceremony  |   |   |   |
|             | 09.10-09.20   | Opening Remark<br>Dr. ratih Asmana Ningrum  |   |   |   |
|             | 09.20-10.20   | Plenary session (overview)<br>Dr. Iman Hidayat, Chairman of RO for Life Sciences and Environment BRIN   |   |   |   |
|             | 10.20-11.20   | Plenary session (overview)<br>Prof. Dr. Santi Maensiri, Dean of the Institution of Science, SUT   |   |   |   |
|             | 11.20-12.30   | Lunch   |   |   |   |
|             |   |   | Biology Session   | Medical Science and Microbiology session  | Chemistry and Biochemistry session  |
| 12.30-12.45 | Ph.D. (Biology) program @SUT<br><br>Assoc. Prof. Dr. Sineenat Siri, Head of School of Biology | Ph.D. (Biomedical Science) and Ph.D. (Microbiology) programs @SUT<br><br>Assoc. Prof. Dr. Sajeera Kupittayanant, Head of School of Preclinic Sciences | Ph.D. (Chemistry) program @SUT<br><br>Assoc. Prof. Dr. Theeranun Siritanon  | Ph.D. (Physics) and Ph.D. (Applied Physics) programs @SUT<br><br>Head of School of Physics  |   |
| 13.45-13.00 | Nanobiotechnology research<br><br>Assoc. Prof. Dr. Sineenat Siri                              | Women's Health Fundamental Research on Alternative Treatments for Female Reproduction<br><br>Assoc. Prof. Dr. Sajeera Kupittayanant                   | Ph.D. (Biochemistry) program @SUT<br><br>Prof. Dr. J. Ketudat Cairns and  | Quantum Research in Thailand and Asian Network<br>Assoc. Prof. Dr. Worawat Meevasana<br><br>Optical fiber sensors: Future technology for biological & chemical measurement (VDO)<br>Dr. Wanvisa Talataisong |   |
| 13.00-13.15 | Forensic botany and zoology<br><br>Dr. Piyamas Petchareon                                     | Development of monoclonal antibody against licochalcone A, the promising anti-inflammatory flavonoids in licorice<br>Dr. Supaluk Krittanai            | Structure, function and application of enzymes and biomolecules (Molecular structural biology)<br><br>Prof. Dr. J. Ketudat Cairns | Ph.D. (Applied Mathematics) and Ph.D. (GIS) programs @SUT<br><br>Assist. Prof. Dr. Benjawan Rodjanadid, Head of School of Mathematics and Geo-informatics   |   |
| 13.15-14.45 | Plant taxonomy research (VDO)<br><br>Assoc. Prof. Dr. Santi Wattana                           | Structural biology research (VDO)<br><br>Asst. Prof. Dr. Piyada Ngernsoungern   | Photocatalytic reactions for clean energy and environment<br><br>Assoc. Prof. Dr. Theeranun Siritanon                             | Applied Computational Mathematics and Data Intelligence for Multidisciplinary Industrial Innovation (VDO)<br><br>Assoc. Prof. Dr. S. Kaennakham   |   |
|             | Plant physiology research (VDO)<br><br>Assoc. Prof. Dr. Nooduan Muangsan                      | Cell & Biomaterials innovation reesearch (VDO)<br><br>Asst. Prof. Dr. Oratai Weeranantapan  |   | Mathematics Research: Applications of Mathematics in Real Life Problems (VDO)<br><br>Asst. Prof. Dr. J. Tanthanuch  |   |
|             | Nanomaterials for agriculture (VDO)<br><br>Asst. Prof. Dr. Duangkamol Maensiri                | Cardiovascular physiology research (VDO)<br><br>Dr. Atcharaporn Thaeomor  | Molecular magnetic switches: Design and development (VDO)<br><br>Assoc. Prof. Dr. David J. Harding                                | Twin Support Vector Machine (VDO)<br><br>Assoc. Prof. Dr. Eckart  |   |
|             | Invertebrate Bioinformatics (VDO)<br><br>Assoc. Prof. Dr. Pongpun Prasankok                   | Microbial diversity and sustainable utilization research (VDO)<br><br>Asst. Prof. Dr. Watsana Penkhru   |   | Geoinformatics technology and data science (VDO)<br><br>Assoc. Prof. Dr. S. Ongsomwang  |   |
|             | Animal conservation and ecology research (VDO)<br><br>Asst. Prof. Dr. Pongthep Suwanwaree     | Microbial resources research (VDO)<br><br>Asst. Prof. Dr. Nawarat Nantapong   |   | Organic Synthesis for Cancer Imaging and Phototherapy (VDO)<br><br>Assoc. Prof. Dr. Anyanee Kamkew  | UAV surveying for agriculture applications (VDO)<br><br>Asst. Prof. Dr. P. Piyatadsananon |
|             | Carbon footprint and mitigation (VDO)<br><br>Dr. Sirilak Chumkiew                             | Parasitology research (VDO)<br><br>Dr. Chompunoot Wangboon  | Chemical Production by Synthetic Biology (VDO)<br><br>Asst. Prof. Dr. Rung-Yi Lai   | Spatial and Temporal Analysis of Tuberculosis Patterns in Thailand (VDO)<br><br>Dr. S. Kamontum   |   |
|             | Microfluid-based biosensor (VDO)<br><br>Dr. Kattika Kaarj                                     |   | Antimicrobial Amphiphiles against Drug-resistant Bacteria (VDO)<br><br>Dr. Jakkarin Limwongyut                                    | Machine Learning for Geoinformatics (VDO)<br><br>Dr. T. Sritarapipat  |   |
|             | Q&A   | Q&A   | Q&A   | Q&A   |   |
|             | 14.15-14.30   | Coffee break  |   |   |   |

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|--------------------|--------------------|--|--|--|--|
|                    | <b>14.30-14.45</b> | <b>Bioengineering Research</b><br>Dr. Ratih Asmana Ningrum<br>Head of RC for Genetic Engineering BRIN  | <b>Microbiology Research</b><br>Dr. Ahmad Fathoni<br>Head of RC for Applied Microbiology BRIN                    | <b>Bioproduct Research</b><br>Dr. Akbar Hanif Dawam Abdullah<br>Head of RC for Biomass and Bioproduct BRIN           | <b>Electrically-Detected Nuclear Magnetic Resonance and Its Application</b><br>Dr. Mohammad Hamzah Fauzi<br>RC for Quantum Physics |
|                    | <b>14.45-15.00</b> | <b>Plant Research</b><br>Dr. Andes Hamuraby Rozak<br>Head of RC for Applied Botany   | <b>Antimicrobial resistance</b><br>Dr. Sugiyono Saputra<br>RC for Applied Microbiology BRIN                      | <b>Biorefinery of lignin</b><br>Prof. Dr. Widya Fatriasari<br>RC for Biomass and Bioproduct BRIN                     | <b>New Physics Search at Collider</b><br>Dr. Julio<br>RC for Quantum Physics   |
|                    | <b>15.00-15.15</b> | <b>Taxonomy Research</b><br>Dr. Bayu Adjie<br>Head of RC for Biosystematic and Evolution   | <b>Antimicrobial Biofilm</b><br>Dr. Anggia Prasetyoputri<br>RC for Applied Microbiology BRIN                     | <b>Clean Technology Research</b><br>Dr. Hanies Ambarsari, BSC, M.Appl.Sc.<br>RC for Clean Technology and Environment | <b>To be announced</b><br>Prof Dr. Hilman Pardede<br>RC For Artificial Intelligence and Cyber Security                             |
|                    | <b>15.15-15.30</b> | <b>Ecology and Carbon Footprint Research</b><br>Dr. Anang Setiawan Ahmadi<br><b>Head of RC for Ecology and Etnobiology</b>   | <b>Drug discovery from Microbes</b><br>Dr. rer. nat. Linda Sukmarini<br><b>RC for Applied Microbiology BRIN</b>  | <b>Clean Technology Research</b><br>Dr. Widyarani, M.Sc<br><b>RC for Clean Technology and Environment</b>            | <b>Q&amp;A</b>   |
|                    | <b>15.30-15.45</b> | <b>Animal Conservation and Research</b><br>Dr. Evy Ayu Arida<br><b>Head of RC for Applied Zoology</b>  | <b>Monoclonal Antibodies and Recombinant Protein</b><br>Dr. Wien Kusharyoto<br><b>RC for Genetic Engineering</b> | <b>Q&amp;A</b>   |  |
|                    | <b>15.45-16.00</b> | <b>Q&amp;A</b>   | <b>Q&amp;A</b>   |  |  |
|                    | <b>16.00-16.10</b> | <b>Closing</b>   |  |  |  |
|                    | <b>18.00-20.00</b> | <b>Annual Meeting Dinner at Cibirong</b>   |  |  |  |
| <b>May 8, 2024</b> | <b>08.30-08.50</b> | <b>Researcher Mobility Program in BRIN</b><br>Director of Talent Management  |  |  |  |
|                    | <b>08.50-09.15</b> | <b>Research Funding Program in BRIN</b><br>Director of Research and Innovation Funding<br>Sasti Orisa, S.T., MPA, Coordinator of Research Facilitation and Funding through a match fund scheme |  |  |  |
|                    | <b>09.15-09.30</b> | <b>Potential collaboration on Research and Academic (PhD study and postdoctoral opportunity) for BRIN staff</b><br>Prof. Dr. Santi Maensiri, Dean of Institute of Science                      |  |  |  |
|                    | <b>09.30-10.30</b> | <b>Discussion plenary</b>  |  |  |  |
|                    | <b>10.30-10.45</b> | <b>Closing</b>   |  |  |  |
|                    | <b>10.45-11.30</b> | <b>Lunch</b>   |  |  |  |