



## Report of UZH-KU Joint Research Project

### Section 1

<b>Project title:</b>	Recent developments in fundamental and applied plant molecular biology
<b>Project coordinator (KU) Name Position Faculty, department</b>	Shuhei Nasuda Professor Graduate School of Agriculture
<b>Project coordinator (UZH) Name Position Faculty, department</b>	Kentaro K. Shimizu Full professor Faculty of Science, Department of Evolutionary Biology and Environmental Studies
<b>Period of project</b>	From: Monday, December 06, 2021 To: Monday, December 13, 2021
<b>Project location</b>	Hybrid (Zoom and Maskawa Hall at Kyoto University)
<b>No. of participants</b>	[KU] Faculty members: 23 Students: 19 Others: 7 [UZH] Faculty members: 24 Students: 9 Others: 7 Others: 3  *A participant list can be attached instead of completing the above section. The list should include the details above.
<b>URL at which project outcomes can be viewed (e.g. workshop notifications/programs/reports, evidence of academic papers published or otherwise made available, etc.)</b>	<a href="https://www.evolution.uzh.ch/en/KyotoUZH.html">https://www.evolution.uzh.ch/en/KyotoUZH.html</a> (until 2024) <a href="https://www.oc.kyoto-u.ac.jp/agreement/sp-news/20211217_1238/">https://www.oc.kyoto-u.ac.jp/agreement/sp-news/20211217_1238/</a>
<b>Photographs with captions</b>	Please submit digital files (such as JPEG or GIF files) of the photographs used in your report as attachments. The size of each image should be 4MB, so that it can be used for printed materials. Please ensure that none of the photographs submitted will cause any issues relating to portrait rights.  Photos of the workshop on 6 <sup>th</sup> (top) and 13 <sup>th</sup> (bottom) December 2021.



## Section 2

### Summary of the project (approx. 200 words)

\*KU project leaders are required to submit a summary of the project in Japanese in addition to the English summary (approx. 400 characters).

Kyoto-Zurich Workshop in Plant Science 2021: Recent developments in fundamental and applied plant molecular biology was held in a hybrid format (online in Zurich and on site in Kyoto) on December 6 and 13, 2021 with over 100 participants. The workshop aimed to promote collaborations between Kyoto University (KU) and the University of Zurich (UZH) through scientific presentations by PIs as well as discussions to facilitate further development of the partnership of both universities.

The workshop began with opening address by Prof. Shuhei Nasuda (KU). The scientific session was divided into four sub-sessions, each with a specific sub-topic contributed by PIs with matching expertise: (1) Evolutionary genomics (Profs. Verena Schuenemann (UZH), Thomas Wicker (UZH), Ryohei Terauchi (KU), and Kentaro Yoshida (KU)), (2) Molecular biology (Profs. Shohei Yamaoka (KU), Takayuki Kohchi (KU), and Ueli Grossniklaus (UZH)), (3) Plant-pathogen interaction (Profs. Cyril Zipfel (UZH), Beat Keller (UZH), Yoshitaka Takano (KU)), and (4) Ecology (Profs. Anna-Liisa Laine (UZH), Hiroshi Kudoh (KU), Yuji Isagi (KU)). In the session "Discussion on partnership development", international officers Ms. Chiyoko Kanno (KU) and Carolin Fleck (UZH) provided the overview of the strategic partnership and funding opportunities which served as a basis of the discussion. Thereafter Prof. Kentaro Shimizu concluded the workshop with a closing remark. Follow-up discussions and exchange of information took place in a Slack platform for workshop.

This event will be a potential steppingstone for strengthening and launching collaborative research as well as student exchanges.

京都大学 (以下京大) とチューリッヒ大学 (以下 UZH) 共催で「Kyoto-Zurich Workshop in Plant Science 2021」が 2021 年 12 月 6 日と 13 日に行われました。京大と UZH の連携を促進することを目的として、京都では益川ホールで、チューリッヒではオンラインのハイブリッド形式で開催されました。合計 100 名以上の参加者がありました。ワークショップは、那須田 周平教授 (京大) による開会挨拶で始まり、それぞれの専門性を持つ教授陣が 4 つのサブセッション (1. 進化ゲノム学、2. 分子生物学、3. 植物-病原体相互作用、4. 生態学) で研究成果を発表し、活発な意見交換が行われました。また、パートナーシップ発展のためのパネルディスカッションの時間には、神野 智世子氏 (京大) と Carolin Fleck 氏 (UZH) が、戦略的パートナーシップと資金提供の機会に関する概要を説明し、それを基に様々な協力の可能性が議論されました。その後、清水 健太郎教授が閉会の辞を述べ、ワークショップは盛会のうちに終了しました。ワークショップのフォローアップと情報交換は、Slack でも続けて行われました。

本ワークショップの成果として、今後の共同研究や学生交流の強化・開始の足がかりとなることが期待できます。