日本学術振興会 研究拠点形成事業（Core-to-Core）& 広島大学キラル国際研究拠点（CResCent）合同会議「キラル生命科学」（第７回キラル物性若手の会 2018 年度夏の学校）
JSPS Core-to-Core and Hiroshima University Chiral Research Center Meeting “Chirality in Bio-systems” (Young Scientist Seminar)

29th. July (Sunday) 13:30- 30th. July (Monday) 12:40
At Minoo Sanso (http://www.minoo-kazenomori.com/)

Temporary Schedule

29th.
13:30-14:00 Opening K. Inoue (Hiroshima Univ.)

14:00-15:00 Prof. N. Fujii (Kyoto Univ.)
Collapse of homochirality of amino acid residues in proteins during aging
加齢による蛋白質構成アミノ酸のホモキラリティーの破綻

15:00-15:20 Coffee Break

15:20-16:20 Prof. S. Tate (Hiroshima Univ.)
Loss of higher order chirality in protein gives anomalous biological functions

16:20-17:20 Prof. T. Saido (Riken)
Structure and propagation of pathogenic proteins in the etiology of Alzheimer’s disease.
アルツハイマー病原因たんぱく質の構造と propagation

17:20-18:20 Prof. M. Kadodwala (Univ. of Glasgow)
Chiral plasmonic fields for ultrasensitive protein characterisation

19:00- Dinner

30th.

9:00-10:00 Prof. I. Smalyukh (CU-Boulder)
Bacteria & chirality will save the World

10:00-11:00 Prof. S. Kondo (Osaka Univ.)
How do the animals create their shapes?
動物は、どうやって「形」を作るか？

11:00-11:10 Coffee Break

11:10-12:10 Prof. K. Matsuno (Osaka Univ.)
Cell chirality drives left-right asymmetric morphogenesis
細胞が示すキラリティがからだの左右非対称性をつくる

12:10-12:30 Free Discussion

12:30-12:40 Closing remarks S. Tate (Hiroshima Univ.)

参考記事

How the Father of Computer Science Decoded Nature’s Mysterious Patterns (https://www.nytimes.com/2018/05/08/science/alan-turing-desalination.html)

Speakers Information

Prof. N. Fujii (Kyoto Univ.)
http://www.rri.kyoto-u.ac.jp/bg/en/member.html

Prof. S. Tate (Hiroshima Univ.)
http://www.mls.sci.hiroshima-u.ac.jp/biophys/index.html

Prof. T. Saido (Riken)
http://www.brain.riken.jp/en/faculty/details/38

Prof. M. Kadodwala (Univ. of Glasgow)
Gardiner Chair
Head of the Structure and Dynamics Group
School of Chemistry University of Glasgow
http://www.gla.ac.uk/schools/chemistry/staff/malcolmkadodwala/

Prof. I. Smalyukh (CU-Boulder)
http://spot.colorado.edu/~smalyukh/

Prof. S. Kondo (Osaka Univ.)
https://www.fbs-osaka-kondolabo.net/

Prof. K. Matsuno (Osaka Univ.)
http://www.bio.sci.osaka-u.ac.jp/bio_web/lab_page/matsuno/Etop.html