DANIEL EVANS-YAMAMOTO

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Profile

Graduate student majoring systems biology with a synthetic biology approach. Currently working on developing a novel high throughput protein-protein interaction detection method using budding yeast.

Experience

Visiting Research Student, Yachie lab at the university of Tokyo, Japan — 2014 - present

Performing wet lab experiments and analysis. Starting member of the lab.

Intern, Landry laboratory,
Laval university, Quebec, Canada — Aug. 2018 - Sep 2018

Visiting Research Student, Japan Agency for Marine-Earth Science and Technology, Japan — 2015 - 2016

Education

Keio University, Tokyo, Japan
Bachelor of Environment and Information Studies, 2018

Keio University, Tokyo, Japan
Master of Media and Governance (Certified in Systems Biology), *Current*

Publications *(as D. Evans-Yamamoto or 山本-エヴァンス楠)*

Peer-reveiwed papers

1. **D. Evans-Yamamoto**, N. Takeuchi, T. Masuda, Y. Murai, Y. Onuma, H. Mori, N. Masuyama, S. Ishiguro, N. Yachie, K. Arakawa"Complete Genome Sequence of Psychrobacter sp. Strain KH172YL61, Isolated from Deep-Sea Sediments in the Nankai Trough, Japan", (2019) Micro Biology Resource Announcements 8:e00326-19 Doi: 10.1128/MRA.00326-19
2. A. Marchant, A. Cisneros, A. Dube, I. Gagnon-Arsenault, D. Ascencio, H. Jain, S. Aube, C. Eberlein, **D. Evans-Yamamoto**, N. Yachie, C. Landry., "The role of structural pleiotropy and regulatory evolution in the retention of heteromers of paralogs", (*In press*) eLife
3. H. Mori, **D. Evans-Yamamoto**, S. Ishuguro, M. Tomita, and N. Yachie., "Fast and global detection of periodic sequence repeats in large genomic resources", (2018) Nucleic Acid Research 47(2):e8 Doi: 10.1093/nar/gky890
4. N. Yachie, Robotic Biology Consortium (**D. Evans-Yamamoto was involved in the IT group**), and T. Natsume., "Robotic Crowd Biology: LabDroids accelerates life science experiments", (2017) Nature Biotechnology 35(4):310-312. Doi: 10.1038/nbt.3758

Review papers

1. 実験医学 別冊あなたのラボにAI×ロボットがやってくる, 124-129
   2017年　”AI・LabDroidと交わす言葉をつくりだす”
   山本-エヴァンス 楠 & 谷内江 望
2. バイオサイエンスとインダストリー　2017年 VOL.75 NO.1　解説記事　”タンパク質間相互作用ネットワークの超高速マッピング”
   増山七海・**山本-エヴァンス 楠**・谷内江 望
3. 医学のあゆみ　259巻8号　2016年11月　p.832-838 論文詳細　”バーコードフュージョン遺伝学”
   山本-エヴァンス 楠・増山七海・谷内江 望

Honors and Awards

Excellent Graduation Project

Awarded for the graduation thesis “Development of high-throughput technologies to screen protein interactomes” by Keio University (Year of 2018)

Fellowships and competitive funds

TTCK Fellowship, Keio University (2015 - current)

Yamagishi Student Project Support Program, Keio University, 2016, 270k yen (Maximum 300k yen)

Yamagishi Student Project Support Program, Keio University, 2017, 240k yen (Maximum 300k yen)

Taikichiro Mori Memorial Research Fund (Graduate Student Researcher Development Grant), Keio University, 2019, 240k yen (Maximum 300k yen)

Skills

Molecular biology lab techniques

- Basic bacterial and yeast cloning including methods using synthetic DNA barcodes
- Yeast genetics
- Experiments with robotic platforms (Qpix450,..)
- High-throughput sequecing facility operation (Illumina MiSeq, Oxford Nanopore minION)
- Data analysis (Mainly in Python scripts, analyzing deep sequencing data on SGE servers. A slice of R/ggplot.)

Oral language(s)

- Japanese
- English