



Yusuke Ito

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Research Fellowship for Young Scientist, DC2

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1. Education

Ph.D. in Science. (Apr 2018-Mar 2021)

Kyushu university, Fukuoka, Japan

Supervisor: Associated Professor Shingo Iwami (Mathematical Biology)

M.S. in Science. (Apr 2016-Mar 2018)

Kyushu university, Fukuoka, Japan

Supervisor: Associated Professor Shingo Iwami (Mathematical Biology)

B.S. in Science. (Apr 2012-Mar 2016)

Kyushu university, Fukuoka, Japan

Supervisor: Associated Professor Shingo Iwami (Mathematical Biology)

2. Appointment

Graduate Research Fellow. (Apr 2019-Mar 2021)

Research Fellowship for Young Scientist, DC2

3. Current Project

- **HIV-1 co-infection** (publication [1,2])
- **HIV-1 super-infection** (publication [5])
- **HCV drug-interaction** (publication [4])
- **SHIV pathogenesis** (publication [3])
- **Clinical research using big-data**

4. Publication

- [3] Hara A †, Iwanami S †, **Ito Y †**, Miura T, Nakaoka S, Iwami S. Revealing uninfected and infected target cell dynamics from peripheral blood data in highly and less pathogenic simian/human immunodeficiency virus infected Rhesus macaque *Journal of Theoretical Biology*. Accepted. 2019. († Equal contribution).
- [2] **Ito Y**, Tauzin A, Remion A, Ejima K, Mammano F †, Iwami S †, Dynamics of HIV-1 coinfection in different susceptible target cell populations during cell-free infection in cell culture. *Journal of Theoretical Biology*. 455:39-46. (2018). (†Equal contribution). <https://doi.org/10.1016/j.jtbi.2018.06.025>
- [1] **Ito Y †**, Remion A †, Tauzin A, Ejima K, Nakaoka S, Iwasa Y, Iwami S †, Mammano F †. Number of infection events per cell during HIV-1 cell-free infection. *Scientific Reports*. 7:6559. 2017. (†, † Equal contribution). DOI:10.1038/s41598-017-03954-9

In-preparatoin Papers

- [5] **Ito Y**, Tauzin A, Remion A, Ejima K, Mammano F Iwami S.
- [4] **Ito Y**, Koizumi Y, Watashi K, Iwami S.

5. Grant/Awards

- [5] **Repayment Exemption for Students with Excellent Grades, Japan Student Services Organization (JASSO) Type I (interest-free) scholarship**, Jun 2019, Certification: <https://drive.google.com/open?id=1oSs6R82U8LZh8XBcxGIhoYPaLwn8EWan>
JASSO official; web: <https://www.jasso.go.jp/shogakukin/taiyochu/gyosekimenjyo/index.html>
- [4] **Research Fellowship for Young Scientist, DC2**, applied, funded by Japan Society For The Promotion of Science, Apr 2019-Mar 2021, <https://www.jsps.go.jp/english/e-pd/index.html>
- [3] **Qudai-jump Research Program, ¥400,000**, funded by Kyushu university, Apr 2018-Mar 2019 (shifted to DC2 from Apr 2019), <https://airimaq.kyushu-u.ac.jp/html/app/teacher/page.php?lang=ja&code=8&side=04>
- [2] **博士後期課程奨学金, ¥500,000**, funded by Kyushu university, Apr 2018-Mar 2019 (shifted to DC2 from Apr 2019), <http://www.kyushu-u.ac.jp/ja/education/fees/scholarship/kyushu-u/>
- [1] **学生の独創的教育・研究・社会貢献活動支援, ¥500,000**, funded by Kyushu university, Apr 2016-Mar 2017.

6. Teaching experience

[5] Teaching Assistant, Jun 1st 2016-Feb 28th 2017, Kyushu university

[4] Teaching Assistant, Jul 1st 2017 -Feb 28th 2017, Kyushu university

[3] Teaching Assistant, Apr 1st 2018-Sep 30th 2018, Kyushu university

[2] Research Assistant, Jul 1st 2018 -Mar 31th 2019, Kyushu university

[1] Research Assistant, Apr1st 2018 -Mar 31th 2019, Kyushu university

7. Languages

- Japanese
- English

8. Technical skills

- Python
- R
- Mathematica
- C
- LaTeX