Dr. Fabio LISI

Professional experience

Project Assistant Professor	University of Tokyo (Tokyo, Japan)	Feb. 2023 – present
JSPS Postdoctoral Fellow	University of Tokyo (Tokyo, Japan)	Jan. 2021 – Jan. 2023
Co-founder & CTO	Radetec Diagnostics (Melbourne, Australia)	Set. 2017 – present
Postdoctoral Fellow	UNSW (Sydney, Australia)	Jan. 2017 – Jan. 2021

Publications

23 refereed research articles in peer-reviewed Q1 and Q2 journals (corresponding author on 1), with > 550 citations. Full publication list on my ORCID profile: https://orcid.org/0000-0003-3597-596X

- H-index = 13 (Web of Science, https://www.webofscience.com/wos/author/record/B-9887-2012)
- H-index = 12 (Scopus: https://www.scopus.com/authid/detail.uri?authorId=38862225800)

1 patent under examination in US, Europe, Australia and China.

2 media releases that featured my publications: "A 'quantum' step towards on-the-spot Hendra virus detection" (2012) and "Skydiving for science" (2016).

Relevant Publications:

1. **Machine learning in point-of-care testing: innovations, challenges, and opportunities.** G-R Han, A Goncharov, M Eryilmaz, S Ye, B Palanisamy, R Ghosh, F Lisi, E Rogers, D Guzman, D Yigci, S Tasoglu, D Di Carlo, K Goda, R A McKendry, A Ozcan. *Nature Communications, 2025,* 16, 3165
2. **Impact of the Coverage of Aptamers on a Nanoparticle on the Binding Equilibrium and Kinetics between Aptamer and Protein.** X Chen, F Lisi, P Bakthavathsalam, G Longatte, S Hoque, R D Tilley, and J J Gooding. *ACS Sensors*, 2021, 6 (2), 538–54
3. **The application of personal glucose meters as universal point-of-care diagnostic tools.** F Lisi, J R. Peterson, J J Gooding. *Biosensors and Bioelectronics*, 2019, 148, 111835
4. **The use of a personal glucose meter for detecting procalcitonin through glucose encapsulated within liposomes.** F Alshawawreh, F Lisi, N Ariotti, P Bakthavathsalam, T Benedetti, R Tilley, J J Gooding. *Analyst*, 2019, 144, 6225 – 6230
5. **Rapid Detection of Hendra Virus Using Magnetic Particles and Quantum Dots.** F Lisi, P Falcaro, D Buso, A J Hill, J A Barr, G Crameri, T-L Nguyen, L-F Wang, P Mulvaney. *Advanced Healthcare Materials*, 2012, 1 (5), 631-634

Recent grants and awards

Mar. 2025 Co-Investigator in the XPRIZE Healthspan Competition - Semifinalist and **Milestone Prize Winner** (US$ 250,000). Team lead by Prof. Keisuke Goda.

Feb. 2025 Co-Investigator of an **AJIF Research Grants** (A$ 100,000) from the Australia-Japan Innovation Fund.

Apr. 2024 Principal Investigator of an **Early-Career Scientists grant** (¥ 3.7 M, equivalent to A$ 39k) from the Japan Society for the Promotion of Science (JSPS).

Aug. 2023 **Travel grant** (¥ 200,000) from the Murata Foundation.

Apr. 2021 Co-Investigator of a **Kakenhi research grant** (¥ 1.2 M, equivalent to A$ 14.2k) from the Japan Society for the Promotion of Science (JSPS).

Since 2017, as CTO of Radetec Diagnostics, I have directly contributed to raising A$525,000 in **equity investments**, A$109,000 in **non-dilutive grants and prizes**, and A$402,000 in **R&D incentives**.

E-mail: fabio@g.ecc.u-tokyo.ac.jp **LinkedIn:** https://www.linkedin.com/in/fabio-lisi-7ab74729/