



1. Personal details

- Surname: Nakamura, first name: Miho
- Researcher identifier: Researcher ID T-3166-2017, ORCID: 0000-0002-9042-6528
- Data of the CV: June 22, 2021

2. Degrees

- 29/03/2007, Ph. D. (Biomaterials), Department of Hard Tissue Engineering, Tokyo Medical and Dental University, Tokyo, Japan,
- 07/11/2019, Docent (cell biology of biomaterials), University of Turku, Turku, Finland

3. Current employment

- 10.2018 – present: Junior group leader in The Turku Collegium for Science and Medicine (TCSM)
- 10.2018 – present: Adjunct Lecturer, Tokyo Medical and Dental University (TMDU), Japan
- 3.2021– present: Visiting Professor, Tohoku University, Japan

4. Previous work experience

- 1.2013–9.2018: Associate professor, TMDU
- 8.2016–4.2018: Visiting professor, Department of Anatomy and Cell Biology, University of Oulu
- 9.2014–3.2015: Visiting professor, Department of Anatomy and Cell Biology, University of Oulu
- 8.2015: Guest Researcher, Faculty of Textiles, Engineering and Business, University of Borås
- 9.2015–10.2015: Guest Researcher, Department of Cell Biology and Anatomy, University of Oulu
- 1.2010–5.2010: Guest Researcher, Institute of Biomedicine, University of Turku
- 9.2007–11.2007: Guest Researcher, Institute of Biomedicine, University of Turku
- 1.2007–12.2012: Position: Assistant professor, TMDU
- 4.2004–12.2006: Technical Staff, TMDU

5. Research funding and grants

(Principle investigator in all projects. The funding does not include salary.)

- 9.2020-8.2021: Murata Science Foundation, 2,250,000 JPN ($\approx$ 18,774 €)
- 4.2020–3.2023: Grants-Aid-from the Japan Society for the Promotion of Science (JSPS) 20K09454, 5,000,000 JPN ($\approx$ 44,076 €)
- 2017–2020: Grants-Aid-from the JSPS 17K10957, 5,000,000 JPN ($\approx$ 44,076 €)
- 2016–2019: Grants-Aid-from the JSPS 15KK0299, 11,000,000 JPN ($\approx$ 96,967 €)
- 2015–2016: Sumitomo Foundation, 1,800,000 JPN ($\approx$ 15,867 €)
- 2015-2017: Grants-Aid-from the JSPS 15K20472, 5,000,000 JPN ($\approx$ 44,076 €)
- 2013–2014: Murata Science Foundation, 2,700,000 JPN ($\approx$ 23,801 €)
- 2012–2013: Shiseido Female Researcher Science Grant, 1,000,000 JPN ($\approx$ 8,815 €)
- 2011–2012: Asahi Glass Foundation, 2,000,000 JPN ($\approx$ 17,630 €)
- 2010: JSPS Excellent Young Researcher Overseas Visit Program, 1,570,000 JPN ($\approx$ 13,840 €)
- 2006–2011: 7 funding, 8,500,000 JPN ($\approx$ 74,930 €)

6. Teaching merits

- 2007–2018: Inorganic materials: Graduate school in TMDU
- 2007–2018: Biomaterial Engineering: Graduate school in TMDU
- 2007–2018: Biomaterial Science: Graduate school in TMDU

- 2007–2018: Ceramic Biomaterials: Graduate school in TMDU
- 2007–2018: Engineering Sciences: School of Dental Technician in TMDU
- 2007–2018: Fundamental & Applications of Bioceramics Materials II: Graduate school in TMDU
- 2007–2018: Ceramic Biomaterials: School course for public people in TMDU
- 2007–2018: Biomaterial Science: Graduate school in Chiba Institute of Technology
- 2007–2018: Biomaterial Engineering: Chiba Institute of Technology
- 2010–2016: Ceramic Biomaterials: School course for public people in The Ceramic Society of Japan

7. Awards and honours

- 2016, The International Society for Ceramics in Medicine (ISCM)-Excellence Award in recognition of outstanding service to the field of bioceramics
- 2014, Award for Young Researcher in The Ceramic Society of Japan.
- 2013, Award for Young Researcher in Japanese Society for Biomaterials.
- 2012, Award for Encouragement of International Exchange in Japanese Society for Biomaterials
- 2010, Award for Young Researcher in Japanese Association of Inorganic Phosphorus Chemistry.
- 2008, Award for Encouragement of Research in Materials Science. The IUMRS International Conference in Asia 2008. The Materials Research Society of Japan.

8. Experience of organising scientific meetings

- Symposium organizer in 14th Pacific Rim Conference of Ceramic Society, 23.5-28.5. 2021
- Local committee member in 13th Pacific Rim Conference of Ceramic Society, 27.10-1.11, 2019
- Symposium organizer in 4th International Conference on Innovations in Biomaterials, Biomanufacturing, and Biotechnologies (Bio-4), 21-26 July 2019, Toronto, Canada
- Vice-Chair in Finland-Japan Workshop: The next generation medical engineering in biomaterials, 17-21.6.2018, Oulu, Finland (supported by Academy of Finland (AF) and JSPS) (<http://ouluhealth.fi/event/finland-japan-workshop-next-generation-medical-engineering-biomaterials/>)
- Vice-Chair in 39th Japanese Society for Biomaterials, 21-22.11. 2015, Tokyo, Japan
- Vice-Chair in 15th Asian BioCeramics Symposium, 9-11.12. 2015, Tokyo, Japan

9. Invited and Keynote lecture

- Nakamura M. Activation of bone cells by piezoelectricity and nanocrystals in bone matrix. The 13rd Pacific Rim Conference of Ceramic Societies (Pacrim13). Okinawa, Japan, 28.10.2019.
- Nakamura M. A new concept for hydroxyapatite in bone remodeling – the nano structure and response to mechanical strain. 4th International Conference on Innovations in Biomaterials, Biomanufacturing, and Biotechnologies (Bio-4), Toronto, Canada. 19.7.2019.
- Nakamura M. Activation of osteogenic cells by piezoelectricity and nanocrystals in bone matrix. MRS 2019 Spring Meeting, Phoenix, U.S.A. 25.4.2019.
- Nakamura M, Yamashita K. Surface electric fields of bioceramic electrets promote cell adhesion. 42nd International Conference and Exposition on Advanced Ceramics and Composites, Daytona beach, USA, 24,01,2018
- Nakamura M. Osteocyte-mediated osteoclastogenesis stimulated by carbonate apatite. 28th Annual Meeting of the International Society for Ceramics in medicine (Bioceramics28), Charlotte, U.S.A., 10.2016.
- Nakamura M, Nagai A, Yamashita K. Improvement of wettability and osteoblastic adhesion by surface electric fields of polarized hydroxyapatite. Invited Lecture. 244th American Chemical Society National Meeting & Exposition. Philadelphia, PA, U.S.A., August 2012.
- 2007 – 2019: 16 invited and keynote lectures