Qi Qin, PhD, RN
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EDUCATION (highest level first)

Degree	Institution (location)	Date
Doctor of Philosophy, Health Science	The University of Tokyo (Tokyo, Japan)	2024
Master of Health Science	The University of Tokyo (Tokyo, Japan)	2021
Bachlor of Medicine (Nursing major)	Xinxiang Medical University (Henan, China)	2011

Other Education

Google Data Analytics Professional Certificate (Online course)	Google	In progress
Bioinformatics Analysis and Visualisation of Medical Genomics Data (Karolinska Institutet – Utokyo Joint International Doctoral Course)	Karolinska Institutet – The University of Tokyo	2023
Introduction to Genomic Technologies (Online course)	Johns Hopkins University	2022

LICENSURE & CERTIFICATION

State	Active or Inactive	Inclusive Dates
Registered Nurse (China)	Inactive	2011–2016
Registered Nurse (Japan)	Active	2013–Present

Certificate (write out)	Certifying Body	Inclusive Dates
Basic Life Support Provider	American Heart Association	2017-2019
Ultrasound-Guided Assessment and Management of Dysphagia, Incontinence, and Pressure Injury (Intermediate Course)	Research Institute for Next-Generation Nursing Education: RINGNE	2021

PROFESSIONAL EXPERIENCE (past to current)

Institution	Position title	Inclusive Dates

Kita odawara Hospital, Kanagawa, Japan	Registered Nurse	Apr 2013–Sep 2015
Takashimadaira general hospital, Tokyo, Japan	Registered Nurse	Oct 2015–Mar 2019
Japan Society for the Promotion of Science (JSPS), and DGHE under the Japan - Indonesia Research Cooperative Program, Tokyo, Japan	Research Assistant	Aug 2019–July 2021
Fusion Oriented REsearch for disruptive Science and Technology (FOREST) from the Japan Science and Technology Agency, Tokyo, Japan	Research Assistant	Dec 2021–Mar 2023
Japan Science and Technology Agency, Tokyo, Japan	Ressearch Fellow	Apr 2023–Mar 2025
The University of Tokyo, Tokyo, Japan	Assistant Professor, Department of Gerontological Nursing/Wound Care Management	Oct 2024–Mar 2025

GRANTS

Research Grants (past to current)

Title (No.), Funding Agency, Role (PI name), Amount, Dates (inclusive)

Educational Grants (past to current)

Title (No.), Funding Agency, Role (PI name), Amount, Dates (inclusive)

"A New Strategy for Eradication of Hard-to-Heal Diabetic Foot Ulcers: Elucidation of the Mechanism by Single-Cell RNA Sequence of Wound Fluid", Japan Society of the Promotion of Science, **Principal Investigator**, JPY1,800,000, Apr 2023–Mar 2025

"Exploration of Gene Expression Patterns in Host Cells in Exudate Characterizing the Wound Healing Process", Japanese Society of Wound, Ostomy, and Continence Management, **Principal Investigator,** JPY 400,000, Apr 2023–Mar 2024

PUBLICATIONS

Peer Reviewed Publications (past to current - APA format, indicate if invited)

Tsuruoka, K., Oe, M., Minematsu, T., Tomida, S., Ohashi, Y., Shimojima, Y., Mori, Y., Nitta, S., **Qin, Q.,** Abe, M., Yamauchi, T., & Sanada, H. (2020). Skin characteristics associated with foot callus in people

with diabetes: A cross-sectional study focused on desmocollin1 in corneocytes. Journal of tissue viability, 29(4), 291–296.

Qin, Q., Oe, M., Ohashi, Y., Shimojima, Y., Imafuku, M., Dai, M., Nakagami, G., Yamauchi, T., Yeo, S., & Sanada, H. (2022). Factors Associated with the Local Increase of Skin Temperature, 'Hotspot,' of Callus in Diabetic Foot: A Cross-Sectional Study. Journal of diabetes science and technology, 16(5), 1174–1182.

Tsuruoka, K, Oe, M, Minematsu, T, Tomida, S, Ohashi, Y, Shimojima, Y, **Qin, Q**, Abe, M, Yamauchi, T, & Sanada, H. (2022). Association between elevated skin temperature of the foot callus and inflammatory marker in people with diabetes. Journal of Japanese Society of Wound, Ostomy and Continence Management. 23(3):261-268.

Oe, M., Fukuda, M., Ohashi, Y., Shimojima, Y., Tsuruoka, K., **Qin, Q.,** Yamauchi, T., & Sanada, H. (2022). Evaluation of foot ulcer incidence in diabetic patients at a diabetic foot ulcer prevention clinic over a 10-year period. Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society, 30(5), 546–552.

Qin, Q., Nakagami, G., Ohashi, Y., Dai, M., Sanada, H., & Oe, M. (2022). Development of a self-monitoring tool for diabetic foot prevention using smartphone-based thermography: Plantar thermal pattern changes and usability in the home environment. Drug discoveries & therapeutics, 16(4), 169–176.

Haba, D., **Qin, Q.,** Takizawa, C., Tomida, S., Minematsu, T., Sanada, H., & Nakagami, G. (2023). Investigation of ultrasound and low-frequency vibration for glycometabolism promotion in 3T3-L1 adipocytes, Japanese Journal of Electrophysical Agents, 30(1), 83-92. (In Japanese)

Qin, Q., Haba, D., Takizawa, C., Tomida, S., Kunimitsu, M., Minematsu, T., Sanada, H., & Nakagami, G. (2023). A method for harvesting viable cells from wound dressings. Experimental dermatology, 32(9), 1521–1530.

Qin, Q., Oe, M., Nakagami, G., Kashiwabara, K., Sugama, J., Sanada, H., & Jais, S. (2023). The effectiveness of a thermography-driven preventive foot care protocol on the recurrence of diabetic foot ulcers in low-medical resource settings: An open-labeled randomized controlled trial. International journal of nursing studies, 146,104571.

Haba, D., **Qin, Q.,** Takizawa, C., Tomida, S., Minematsu, T., Sanada, H., & Nakagami, G. (2023). Local low-frequency vibration accelerates healing of full-thickness wounds in a hyperglycemic rat model. Journal of diabetes investigation, 14(12), 1356–1367

Haba, D., Ohmiya, T., Sekino, M., **Qin, Q**., Takizawa, C., Tomida, S., Minematsu, T., Sanada, H., & Nakagami, G. (2023). Efficacy of wearable vibration dressings on full-thickness wound healing in a hyperglycemic rat model. Wound repair and regeneration: official publication of the Wound Healing Society [and] the European Tissue Repair Society, 31(6), 816–826.

Qin, Q., Haba, D., & Nakagami, G. (2024). Which biomarkers predict hard-to-heal diabetic foot ulcers? A scoping review. Drug discoveries & therapeutics, 17(6), 368–377.

Takizawa, C., **Qin, Q**., Haba, D., Sasaki, S., Kawasaki, A., Miyake, T., Oba, J., Kitamura, A., Abe, M., Tomida, S., & Nakagami, G. (2024). Relationship between gene expression associated with cellular senescence in cells from discarded wound dressings and wound healing: A retrospective cohort study. Journal of tissue viability, S0965-206X(24)00119-0. Advance online publication.

Qin, Q., Haba, D., Takizawa, C., Tomida, S., Horinouchi, A., Katagiri, M., Nomura, S., & Nakagami, G. (2025). Candidate Biomarkers for Hard-to-Heal Wounds Revealed by Single-Cell RNA Sequencing of Wound Fluid in Murine Wound Models. Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society, 33(3), e70038.

Huang, D., Haba, D., Tomida, S., Takizawa, C., **Qin, Q.,** Kataoka, Y., Mugita, Y., Sanada, H., & Nakagami, G. (2025). Piezo1 mediates calcium ion influx, glucose transporter 4 translocation, and glucose uptake in adipocytes under low-frequency vibration. Drug discoveries & therapeutics, 19(4), 237–244.

Qin, Q., Haba, D., Takizawa, C., Tomida, S., Nakagami, G. (2026). Exploring gene expression patterns of host cells in wound fluid to characterize wound healing phases. Journal of Japanese Society of Wound, Ostomy, and Continence Management, 29(1), TBD (In press)

PRESENTATIONS

International (past to current)

Oe Makoto, Fukuda Mayu, Ohashi Yumiko, Shimojima Yuko, Tsuruoka Kahori, **Qi Qin,** Yamauchi Toshimasa, Sanada Hiromi. Incidence of foot ulcers in patients with diabetes at a diabetic foot outpatient clinic in Tokyo over a 10-year period. 2019. (8th APETNA Conference, Taipei, 22nd Nov)

Qin Qi, Oe Makoto, Dai Misako, Nakagami Gojiro, Sanada Hiromi. An exploration of plantarthermal pattern changes in the home environment: results from a preliminary study. The 9th AsiaPacific Enterostomal Therapy Nurse Association Conference abstract book. 2021. (9th APETNA Conference, Online, 3-5th July)

Tsuruoka Kahori, Oe Makoto, Minematsu Takeo, Tomida Sanai, Ohashi Yumiko, Shimojima Yuko,Kataoka Yukie, Nitta Shiori, **Qin Qi,** Abe Masatoshi, Yamauchi Toshimasa, Sanada Hiromi.Association between elevated skin temperature at foot callus and inflammatory marker in peoplewith diabetes. The 9th Asia Pacific Enterostomal Therapy Nurse Association Conference abstractbook. 2021. (9th APETNA Conference, Online, 3-5th July)

Qin Qi, Oe Makoto, Nakagami Gojiro, Sugama Junko, Sanada Hiromi, Jais Suriadi. The effectiveness of preventive foot care with thermography-based risk assessment on the recurrence of diabetic foot ulcers in Indonesia: an open-labeled randomized controlled trial, 2022. (DFCon 2022, Los Angeles, USA, 29th September)

Haba Daijiro, **Qin Qi,** Minematsu Takeo, Sanada Hiromi, Nakagami Gojiro. A new strategy to enhance wound healing of diabetic foot ulcers based on the novel promotion mechanism of glycometabolism by local low-frequency vibration, 2022. (DFCon 2022, Los Angeles, USA, 29th September)

Qin Qi, Haba Daijiro, Takizawa Chihiro, Kunimitsu Mao, Minematsu Takeo, Sanada Hiromi, Nakagami Gojiro. A method to harvest viable cells from discarded wound dressings. The 33rd conference of the European wound management association program. 2023;44. (EWMA 2023 conference, Milan, Italy, 3rd-5th May)

Haba Daijiro, Takizawa Chihiro, **Qin Qi,** Tomida Sanai, Nakagami Gojiro. Local low-frequency vibration downregulates the expression related to cellular senescence and promoted wound healing in diabetic rats. The 33rd conference of the European wound management association program. 2023;60. (EWMA 2023 conference, Milan, Italy, 3rd-5th May)

Takizawa Chihiro, Haba Daijiro, **Qin Qi,** Tomida Sanai, Nakagami Gojiro. Local low-frequency vibration suppressed cellular senescence in keratinocytes and fibroblasts. The 33rd conference of the European wound management association program. 2023;52. (EWMA 2023 conference, Milan, Italy, 3rd-5th May)

Qin, Q., Haba, D., Takizawa, C., Tomida, S., Horinouchi, A., Katagiri, M., Nomura, S., & Nakagami, G. Candidate biomarkers for prediction of hard-to-heal wounds via single cell RNA sequencing of cells in wound fluid. The 35rd conference of the European wound management association program. (EWMA 2025 conference, Barcelona, Spain, 26th-28th Mar)

Takizawa Chihiro, **Qin Qi**, Tomida Sanai, Nakagami Gojiro. Exploring the relationship between cellular senescence and oxidative stress in wound exudate of pressure injuries: a preliminary study. The 35rd conference of the European wound management association program. (EWMA 2025 conference, Barcelona, Spain, 26th-28th Mar)

National (past to current)

14 presentations at Japanese national conferences (In Japanese)

Professional Memberships

Organization	Role	Inclusive dates
Japanese Society of Wound, Ostomy, and Continence Management	Member	2019–Present
The Japanese Society for Wound Helaing	Member	2021–Present
The Society for Nursing Science and Engeneering	Member	2022–Present
European Wound Management Association.	Member	2025–Present

OPTIONAL APPENDICES

Courses Taught (past to current)

Institution, Course Title (number), Credits, Role, Inclusive dates, clinical/didactic/online

The University of Tokyo, Clinical Practice in Gerontological Nursing (02273), 2 credits, Clinical Instructor, 2024 A1 term, Clinical

The University of Tokyo, Introduction to Comprehensive Health Science (02211), 2 credits, Teaching Assistant, 2024 A1A2 term, didactic

The University of Tokyo, Gerontological Nursing (02272), 2 credits, Course director, 2024 A2 term, didactic

The University of Tokyo, Fundamentals of Nursing II (02297), 2 credits, Lecture (Wound, Ostomy, Incontinence Management), 2024 A2 term, didactic

The University of Tokyo, Introduction to Nursing (02206), 1-2 credits, Course director, 2024 A2 term, didactic