Care-led innovation:
The case of elderly care
in France and Japan

Research team
2021-2024

Research team of the project

Martin Chevallier (EHESS)

After achieving a master degree of philosophy at Paris Sorbonne University and another of history of science and technologies at Centre Alexandre Koyré (EHESS), Martin Chevallier began a thesis of sociology with a PhD contract (2018-2021) at Centre d'études des mouvements sociaux (CEMS-EHESS), under the supervision of Claude Rosental. Leaning on a socio-history of «personal robots» projects for the assistance of elderlies and disabled persons from the mid-70's, he studies the implication of the innovators and other «experts'» of social robotics in the management of psychosocial risks associated with social robots, their role in the definition of politics of innovation at national and european level, and the multiplication of full-scale tests and experimentations with dependant users, in living labs or shops, which were subject to a multi-located ethnography in a Parisian luxury shop and an elderly care home near Paris. Through participant observation, he took part to two successive projects, the (eventually aborted) adoption of Medipep, a medical assistant humanoid robot, and the testing of a seal robot, Paro.

Aurélie Damamme (Paris 8 University)

Aurélie Damamme is a sociologist. She teaches Sociology at Paris VIII University and is a member of Centre de Recherches sociologiques et politiques de Paris-Genre Travail Mobilités (CRESPPA-GTM, CNRS). She has co-published with Emmanuelle Fillion and Myriam Winance two issues of the Journal ALTER-European Journal Of Disability Research/Revue Européenne de Recherche sur le Handicap (Care and Disability: 1st Part: Stakes and Ambiguites of caring (2015) and 2nd part: Historical Variations and International Perspectives (2016). With Helena Hirata and Pascale Molinier, she has co-directed a book on carework in different countries (Columbia, Argentina, Lebanon, France, Japan). Le travail entre public, privé et intime. Comparaisons et enjeux internationaux du « care » (L'Harmattan, 2017). She has co-copublished with Maria Teresa Martin Palomo an issue on carework in Cuadernos de Relaciones Laborales (Care at the crossroads of research (2020). She has participated in comparative research on care work of families in France and Japan. Her current research work focuses on care, housing and disability. She is a visiting researcher at the Institut national d'études démographiques (INED) to study the housing trajectories of disabled people and possible changes since the 2005 French law on disability.

Isabelle Dufour (Gérond'if)

Isabelle Dufour is General Delegate of Gérond'if, which is a non-profit organization, whose main objective is to federate: bring together all actors of the geriatrics and gerontology field, of the Ile-de-France region. It was first created in 2016 by the main federations and institutions of the geriatrics' field, such as AP-HP which is the public university hospital system of Paris and its suburbs and the largest in Europe. Gérond'if also has the support of the region, by having been granted the label of "Domain of Major Interest". This label is given by the region to organizations working in an emerging sector in wich research and innovation must be supported. The main activity of our organization is clinical research and evaluation of preventive actions, in the geriatrics field. Gérond'if brings together healthcare providers, public health stakeholders, caregivers, researchers, and all other players on the health scene. It is presided by Pr. Olivier HANON, who animates the executive booard of the organization wich is currently composed of renowned Professors and experts in the geriatrics French scene.

Olivier Giraud (CNRS)

Olivier Giraud is a political scientist and a sociologist. Senior researcher (directeur de recherche) at the French CNRS. He is member of the Lise CNRS research unit in Paris at the Conservatoire National des Arts et Métiers. He is a specialist of comparative policy analysis, specifically in the domains of welfare and care regimes, as well as labour market and training policies in Europe. Interested in the methodological challenges globalization poses to the comparative analysis in the social sciences, he has recently focused on multiscalar comparative approaches. He was recently fellow at the department of social sciences at the Humboldt University, Berlin, at the college Re:Work (Humboldt University, Berlin, 2012-2013) and taught at the University of Milano Bicoca (2018, 2019, 2020), Lausanne (1996-2001), at the University of Paris I Panthéon-Sorbonne (2005-2006), Paris Dauphine (2001-2006), at the Free University in Berlin (2008-2010) and many years at IDHEAP in Lausanne. He was as well guest researcher at the Wissenschaftszentrum in Berlin (1993-1995, 2007-2009).

Yasuyuki Gondo (Osaka University)

Yasuyuki Gondo has been studying human aging since he started working at the Tokyo metropolitan institute of gerontology. His study framework is a holistic understanding of human aging from biological, social, and psychological perspectives. His study framework was developed working with researchers having different disciplines. He joined Tokyo centenarian study in 1999. Since then, he interviews more than 500 centenarians and their family members. He is an active member of the International Centenarian Consortium (ICC); a worldwide network studying healthy aging and longevity thought studying centenarians. He started the SONIC study (Gerontological framework longitudinal epidemiological study for older adults) in 2010 as a PI and published more than 30 peer-reviewed articles. He is also involved in a field survey for a social innovation called community-based social innovation (CBSI) which aims to improve older people's physical and psychological well-being by older people themselves supported WHO. His another project is about the use of care and IT technology in oldest old people and its influence on the well-being. He is also working with several local governments for research purposes.

Anne-Marie Guillemard (University of Paris)

Anne-Marie Guillemard has been involved in many funded European projects like the European Network of Excellence "Civil Society and New Forms of Governance in Europe" (CINEFOGO), and the European research consortium ASPA "Activating Senior Potential in Ageing Europe" (7thFP). She has been sitting till recently on many editorial boards including *Ageing and Society, Hallym International Journal of Aging* (Baywood Publishing Company). Her work on cross-national comparisons of welfare policies, pension systems and prolonging working life is widely recognized. Her main research areas are sociology of the life course, sociology of ageing and welfare states reforms. Her research focuses on questions related to age and employment, public and entrepreneurial age management policies, the generational contract and reforms of the welfare states. She is currently working on longevity and its worldwide multidimensional impacts on developed and developing societies. She recently edited a collective book about this question (2017). The chapter she wrote for this book, titled *The longevity revolution: Rethinking social meaning of age, social time and intergenerational solidarity* appeared (2019) in a Japanese translation from French in an academic Japanese Journal. One of her main book contributing to the understanding, in a cross-national perspective (including Europe, USA and Japan), of how societies could adjust to population ageing (Armand Colin 2010) has just been translated from French to Japanese and published (2019) by Minerva, Kyoto.

Helena Sumiko Hirata (Paris 8 University)

Helena Sumiko Hirata is research director emerita at French National Center for Scientific Research (CNRS) and associate professor at Sociology Department, University of Sao Paulo, Brazil. Main research topics : Sociology of employment, work and gender ; globalization and sexual division of labour ; care and care labour in a comparative perspective.

Takamasa Iio (Doshisha University)

Takamasa Iio received the Ph.D degree from Doshisha University, Kyoto, Japan, in 2012. He has worked at ATR, Osaka University, and University of Tsukuba. Currently, he is an associate professor at Doshisha University, Kyoto, Japan. His field of expertise is social robotics. He is interested in how people's cognition and behavior change through interaction with social robots, and how human society changes as a result. His current research focuses on social robots that can enhance social capital in human society by mediating relationships between people.

Nao Kinoshita (EHESS)

Nao Kinoshita is a civil servant of the Ministry of Health, Labour and Welfare in Japan. As a policymaker, she was involved in expanding and diversifying the conditions for acceptance of foreign workers, promoting education and training for job seekers and employees who aim improve their skills, reforming medical care for the elderly, and the amendment of the Long-term Care Insurance Law, introducing a "community-based comprehensive care" scheme, in which elderly people can continue to live in their homes even if they need long-term care or medical care. She is currently working in HR and driving organizational reform. Nao studies migration, with a focus on Japanese Brazilians and their descendants in Japan. She is an associate researcher with the Fondation France-Japon de l'EHESS and a member of the Japan Association for Migration Policy Studies. Nao is a policy advisor for the nonprofit organization Sodateage-Net and provides employment support and consultations for young people in socio-economically difficult situations such as those classified as "NEET" and "hikikomori" (acute social withdrawal).

Nao Kodate (University College Dublin)

Nao is Associate Professor in Social Policy at University College Dublin, Ireland (UCD) and founding Director of UCD Centre for Japanese Studies. He holds a PhD in Political Science (LSE, UK). His research covers comparative public policy, and science, technology and society (e.g. the use of eHealth), patient safety, and gender equality in STEM. He is currently the Principal Investigator of a Toyota Foundation-funded international research project "Harmonisation towards the establishment of Person-centred, Robotics-aided Care System (HARP: RoCS)". Nao is on the Board of Directors for the Future Technologies for Integrated Care Research Network, Japan. Nao is affiliated with Public Policy Research Centre, Hokkaido University; la Fondation France-Japon (FFJ), EHESS; UCD Centre for Interdisciplinary Research Education and Innovation in Health Systems; and the Institute for Future Initiatives, University of Tokyo.

Sébastien Lechevalier (EHESS)

Sébastien Lechevalier is an Economist and a Professor at EHESS (School of Advanced Studies in the Social Sciences, Paris), specialised in Japanese economy and Asian Capitalisms. He is also founder and president of the Fondation France-Japon de l'EHESS (FFJ). He has been a Visiting Professor At Tokyo University, Kyoto University, Hitotsubashi University, Waseda University and Doshisha University.

Vincent Leger (Fondation Croix Rouge française)

Vincent Leger holds a PhD in Anthropology from University College London. His thesis focused on the consequences of urbanisation on the well-being of the elderly in Ouagadougou. He is currently a Research Officer at the Fondation Croix Rouge française (French Red Cross Foundation), in charge of monitoring the research supported by the Foundation and its partners.

Pascale Molinier (University of Sorbonne Paris Nord)

Pascale Molinier is a Professor of Social Psychology at the University of Sorbonne Paris Nord. Her teaching brings together the psychodynamics of work, care studies, gender and sexuality studies. As a researcher she focuses on the analysis of the work of caregivers, their work organisation and physical contact with patients. She is especially interested in the ordinary forms of the ethics of caregiving as it is developed and discussed in care collectives. She is further interested in forms of gendered identities and subjectivations at the crossroads of the demands of the drive and social constraints. She also works from a critical perspective which brings together psychological and psychoanalytic theories, gender studies and situated knowledges. She is the author of several books and numerous articles. She has helped found the Gender Institute of the French Centre for National Scientific Research (CNRS), of which she was the Codirector for four years, until 2016. She is the Editor-in-Chief of the journal *Cahiers du genre*.

Pearl Morey (University of Medicine in Marseille)

Pearl Morey has a doctorate in sociology. She defended her dissertation last December entitled "Safe freedom"; confronting the promises of location tracking technology in French nursing homes in the light of nursing care ethical challenges. Her thesis was supervised by Catherine Le Galès (Inserm, Cermes3) and Marc Bessin (CNRS, Iris) at the advanced school École des Hautes Études en Sciences Sociales at Paris. Her thesis was funded by Alzheimer's research funding (Fondation Plan Alzheimer et Fondation Médéric Alzheimer). By focusing on technological devices, she explores moral tensions that arise within the ethics of care and more specifically, the tension between residents' freedom of movement and their personal safety as guaranteed by institutions and health professionals. Since September, she teaches sociology at the University of Medicine in Marseille (in the south of France). Since 2013, she coordinates a group of young researchers in the humanities and social sciences working on aging (Vieillissement&Société).

Yasuhiro Nakanishi (Nara Medical University)

Mr. Yasuhiro Nakanishi is a Ph.D. candidate in the Graduate School of Medicine at Nara Medical University, Japan, majoring in Public Health, and also an instructor for consultation and lectures on hospital management at Tokyo Metropolitan Geriatric Medical Center. He will become a research fellow at the Department of Health and Welfare Services, National Institute of Public Health, from April 2021. He has been studying healthcare and long-term care expenditures and actual cases of health services coverage using big data of national health and long-term care insurance claims. Specifically, he focuses on analyzing the expenditures and cases of centenarians. He also has more than ten years of experience in hospital management as an administrative staff member at Nara Medical University Hospital. He has been researching

hospital administration and healthcare finance, conducting the analysis for topics such as profit and loss related to drugs, labor costs of healthcare personnel, operation and management of operating rooms, and nosocomial infection control projects from the perspective of hospital management. He has also been engaged in research on the influence of overtime regulations for physician personnel retention and health economics. He is a member of the Japanese Society of Public Health, the Japan Association for Medical Informatics, the Society for Clinical Epidemiology, and the Gerontological Society of America.

Toshiyuki Ojima (Hamamatsu University School of Medicine)

Dr. Toshiyuki OJIMA is the Chair and Professor of Department of Community Health and Preventive Medicine, Hamamatsu University School of Medicine, Japan. After his carrier as a general physician and a director of a public health center, he has worked in medical schools in the field of public health and epidemiology. He has been involved in research about health expectancy, and was a member of Joint Action European Health and Life Expectancy Information System (JA-EHLEIS) (2012-2014). Moreover, he has been conducting research on long-term care prevention as a member of Board of Japan Agency for Gerontological Evaluation Study (JAGES). His current study field include disaster preparedness and COVID-19 measures in public health centers and local governments. He is a President of Tokai Public Health Association, former President of Japan Society for Mixed Methods Research, Board member of Japan Epidemiological Association, and Board member of Japanese Society of Public Health.

Marielle Poussou-Plesse (University of Bourgogne-Franche-Comté)

Marielle Poussou-Plesse, PhD, is a sociologist researcher, assistant professor at Université de Bourgogne (France). Over the past decade, she has mainly worked on longevity at work in connection with the successive reforms of the French pension system and has conducted surveys in various sectors (IT, craft sector, agri-food industries). In particular, she has studied the public problem of occupational "hardship" ("pénibilité"), which has been addressed in France to compensate for a loss of healthy life expectancy. She has observed how occupational health public policies could have ambiguous effects on companies' innovation processes by fostering more automation and/or more concern for the improvement of working conditions. She has also worked on volunteerism in retirement in France and in a European comparative perspective. She is co-director (with Olivier Giraud) of the research network Social protection, Social policies and Solidarity of AFS (the French Sociological Association). Shecurrently collaborates with the research departments of the Ministry of Labor and the Ministry of Social Affairs as a member of scientific evaluation committees. She has just started an investigation as a part of an ANR project on the place of technological tools in the functioning of social health-care institutions during the first Covid-19 lockdown in France.

Jean-Marie Robine (INED, INSERM, EPHE)

Prof Jean-Marie Robine is an Emeritus Research Professor at INSERM, the French National Institute of Health and Medical Research (INSERM), within the CERMES3 Research group in Paris and the MMDN Lab in Montpellier where he heads the research team Biodemography of longevity and vitality. He is also an Emeritus Professor at the advanced school École pratique des hautes études (EPHE) in Paris. He studies human longevity, with the aim of understanding the relations between health and longevity. In particular, he measures the impact that the increase in adult life durations may have on the health status of the elderly population. In his most recent work, he takes into accounting the climate changes. Since its creation in 1989, he has been the coordinator of the International Network on Health Expectancy (REVES), which brings together more some 200 researchers worldwide. He is co-responsible for the development of the International Database on Longevity (IDL) in association with the Max Planck Institute for Demographic Research (Rostock) and INED (Paris). He is the project leader of the healthy longevity project granted by AXA Research Fund: the Five-Country Oldest Old Project (5-COOP). He is also advisor to the Director of INED, the French National Institute on Demographic Studies (INED) on longevity and ageing issues. He was the project leader of the European Joint Action EHLEIS (2011-2014) which provided analysis of disability-free life expectancies in the European Union and part of the BRIDGE-Health project (2015-2017) which aimed to prepare the transition towards a sustainable and integrated EU health information system. He was one of the Directors of the French Research Consortium on ageing and longevity (GDR CNRS 3662, 2014-2017) which prepared the way for ILVV, the French Institut de la Longévité, des Vieillesses et du Vieillissement.

Yasuhiko Saito (Nihon University)

Yasuhiko Saito is a Professor at the College of Economics and the Deputy Director of Population Research Institute at Nihon University, Tokyo, Japan. His specializations are in demography and gerontology, and he has been working on population aging and health issues in both developed and developing countries. Currently, he is running a nationally representative longitudinal surveys on aging and health in the Philippines and Vietnam.

Haruki Sawamura (École Polytechnique)

Haruki Sawamura is a PhD candidate at the Management Research Centre of Ecole polytechnique (i-3 CRG, Ecole polytechnique CNRS, Institut Polytechnique de Paris). A Valeo research fellow (2019-2020) at Fondation France-Japon (FFJ) de l'Ecole des Hautes Etudes en Sciences Sociales. His doctoral research focuses on how technology-oriented products diffuse in the society through business activities. Taking a start-up company providing new mobility services in Indian cities as a case study, his doctoral research aims at revealing how the level of development of relevant innovation ecosystems influences the evolution of the business model of the focal company. Within the focus of business model innovation and organizational change management, his recent research as a Valeo fellow addresses the question of the partition of roles between human and automation technologies (such as autonomous vehicles using artificial intelligence for operation). While advanced-automated products are expected to diffuse in the society and more wider range of people in the society (regardless their job, age or aspiration) are to be exposed to automated products, his latest research interest lies on the social implementation of new technology-oriented products through business model innovation taking human factor into consideration. He has the background of engineering: bachelor of Applied Physics at Waseda University and master of engineering at the department of Technology Management for Innovation of the University of Tokyo.

Katsunori Shimohara (Doshisha University)

Katsunori Shimohara, Dr. Eng., born in 1952, graduated from Kyushu University, Fukuoka, Japan, in 1978. From 2001 to 2006, he was Director of the Network Informatics Labs. and the Human Information Science Labs., Advanced Telecommunications Research Institute (ATR) International, Kyoto, Japan. He is currently a Professor at the Department of Information Systems Design, and the Graduate School of Science and Engineering, Doshisha University, Kyoto, Japan. His research interest includes creative and imaginative communications between not only humans but also humans, tangible and intangible artifacts by using evolutionary computation and technology. He is now working on system design of community focusing on relationality that people naturally generate through interactions between other people, tangible and intangible things in community, boundary and relationality perspective systems approach to System of Systems, and human robot/agent interactions.

Madoka Takahara (Muroran Institute of Technology)

Madoka Takahara received the Ph.D. degree from Doshisha University,Kyoto, Japan, in 2018. She has worked for Doshisha University (2018-2020), Sleep and Circadian Neurobiology Laboratory, Stanford Center for Sleep Science and Medicine (2019-2020). Currently, she is an assistant professor at Muroran Institute of Technology, Hokkaido, Japan. Her field of expertise is Human system Interaction. She is interested in Improving sleep quality using IoT technology. Her current research focuses on biofeedback and information-sharing between people and their relatives effect people's sleep quality.

Virginie Troit (Fondation Croix Rouge française)

Virginie Troit is the Executive Director of the French Red Cross Foundation, an initiative dedicated to SHS research in the fields of humanitarian and social action since its creation in 2013, following a decade of experience in international and local NGOs in Europe, the Middle East and India. She holds a master's degree in management (Toulouse Business School), a master's degree in political science (Panthéon-Sorbonne), an inter-university diploma in ethics (Faculty of Medicine, University of Aix-Marseille) and is pursuing her research in international relations at CERI (Sciences-Po/CNRS). She is a member of the International Humanitarian Studies Association and of the journal Alternatives Humanitaires.

Donald Craig Willcox (Okinawa International University, University of Hawaii)

Professor Donald Craig Willcox is Professor of Public Health and Gerontology at Okinawa International University and Adjunct Professor of Geriatric Medicine at University of Hawaii. He has been studying genetic and lifestyle factors associated with healthy aging and longevity for over three decades and has successfully established numerous cross-national research collaborations through the National Institutes of Health and the National Institute on Aging and projects supported by national funding agencies in Japan, such as the Japan Society for Promotion of Sciences, among others. He currently serves as Co-Principal Investigator of the Okinawa Centenarian Study (OCS) and Head of the Okinawa Research Center for Longevity Science R&D, as well as a co-investigator or consultant for several ancillary R-01 funded studies of aging from the Kuakini Honolulu Heart Program. These include the Kuakini Hawaii LIFESPAN and HEALTHSPAN Studies. He is a fluent speaker of Japanese and has extensive research experience in bio-cultural approaches to healthy aging including, anthropological, epidemiological, and nutritional, with further experience in human population genetics and the study of gene-environment interactions. The team that he manages in Okinawa has over 40 years of experience in geriatrics and gerontology research and his team in Hawaii recently celebrated a half century since the inception of the Honolulu Heart Program and has been a leader in establishing the field of genetic epidemiology. His team in Okinawa reported the first longevity-associated gene variants in humans (Takata et al, *Lancet* 1987) and his team in Hawaii discovered that the human homolog (FOXO3) of the nematode daf-16 gene also strongly impacts human longevity (Willcox et al. PNAS, 2008). Dr. Willcox is also Associate Editor to numerous journals devoted to research on aging, such as Journals of Gerontology: *Biological and Medical Sciences*, *Gerontology*, *BMC Geriatrics*, *Journal of Cross Cultural Gerontology*, *Nutrition and Aging*, and the recently established *Nature* partner journal *npj Mechanisms of Aging and Disease*, among others.

James Wright (The Alan Turing Institute)

Dr James Wright is a Research Associate at The Alan Turing Institute, the UK's national institute for data science and AI, where he works on PATH-AI: Mapping an Intercultural Path to Privacy, Agency, and Trust in Human-AI Ecosystems, a joint project with RIKEN, Japan's largest comprehensive research institution. The project studies the values of privacy, agency, and trust from a comparative and intercultural perspective looking at both Japan and the UK, with an initial focus on digital contact tracing apps used during the COVID-19 pandemic. James' PhD in anthropology and science and technology studies (STS) at the University of Hong Kong, completed in 2018, looked at the development and attempted implementation of care robots in Japan, and involved 18 months of ethnographic fieldwork in Japan. This work formed the basis of his upcoming book, due to be published in 2021 by Cornell University Press. Before joining The Alan Turing Institute, James was a Research Associate on the Sustainable Care programme at the University of Sheffield, where he examined how digital technologies are transforming adult social care in the UK, and what potential they hold for the future. He was also a postdoctoral fellow at the Fondation France-Japon, part of the École des hautes études en sciences sociales (EHESS) in Paris, where he worked on a comparative study of Japanese and European publicly funded care robot projects.

Satoko Yoshida (Doshisha University)

Satoko Yoshida is a doctoral student, Graduate School of Science and Engineering, Doshisha University, Kyoto, Japan. Her research interest is to explore a new possibility in reading, especially communications between a reader and a book. She focuses on a role of reading notes as media mediating interactions between them. She is currently working on research on extracting a reader's interest in a book by using gaze information that a reader naturally generates during reading, and achieving automatic reading notes creation based on the extracted data.