

CURRICULUM VITAE

24th August, 2021

PERSONAL DATA

Name : Hidehiro Iida
Date of Birth : April 22. 1956
Nationality : Japanese
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PRESENT POSITION

Professor, Turku PET Center, Faculty of Medicine (Instrumentation and Modeling), University of Turku, Finland
Visiting Professor (honorary), Nara Institute of Science and Technology, Ikoma City, Nara, Japan
Senior Scientist (honorary) Department of Radiology, National Cerebral & Cardiovascular Center, Osaka, Japan

EDUCATION AND ACADEMIC DEGREES

1979 B.Sc., University of Tsukuba (Physics)
1982 M.Sc., University of Tsukuba (Experimental Nuclear Physics)
1984 Ph.D., University of Tsukuba in Physics (Experimental Nuclear Physics)
Title: Analyzing powers and cross sections for (p,t) reactions leading to the ground and excited 0^+ states
1998 Ph.D., Tohoku University in Medical Sciences
Title: Assessment of myocardial viability in patients with myocardial infarction using ^{15}O -water and positron emission tomography.

APPOINTMENTS

1984 April - 1993 March:
Senior Scientist
Department of Radiology and Nuclear Medicine
Research Institute for Brain and Blood Vessels-Akita
1993 April – 1999 September:
Head Scientist
Department of Radiology and Nuclear Medicine
Research Institute for Brain and Blood Vessels, Akita City, Japan
1999 October – 2017 March
Director, Department of Investigative Radiology, National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan
2002 October – 2017 March
Professor, Graduate School of Medicine, Osaka University, Osaka, Japan
2005 April – present
Visiting Professor, Graduate School of Information Science, Department of Radiological Sciences, Nara Institute of Science and Technology, Nara, Japan
2017 April – present
Senior Scientist, Department of Radiology, National Cerebral and Cardiovascular Center, Japan
2018 January – present
Professor, Turku PET Center, Institute of Biomedicine, Faculty of Medicine, Uni of Turku

OTHER ACADEMIC CAREERS

1988 January - 1990 March:

Visiting scientist in MRC Cyclotron Unit, Hammersmith Hospital, London, U.K.

1993 January – 2017 December

Research collaboration with Turku University Hospital & Turku PET Center, Finland

1993 December – 1996 March

Visiting scientist, Turku University, Finland

1996 October – 1997 March:

Visiting prof, Neurobiology Res Unit, the National University Hospital Rigshospitalet, Copenhagen, Denmark

2001 October – 2017 March:

Visiting professor, Osaka University School of Medicine, Osaka, Japan

2004 October – present:

Visiting professor, Nara Technical Institute of Science and Technology, Nara, Japan

LEADERSHIP AND SUPERVISION EXPERIENCE

Supervisor of completed PhD: Main supervisor on 7, co-supervisor on 5.

Supervisor of PosDoc at early carrier after graduation: on 21.

MEMBERSHIPS OF PROFESSIONAL BODIES AND SOCIETIES

Institute of Physics – IOP Fellow, Panel Member (2001-2019)

International Society of Cerebral Blood Flow and Metabolism (Director board, 2007-2013)

Society of Nuclear Medicine (Editorial board, 1999-2017)

European Association of Nuclear Medicine (Editorial Board, 2001-2017)

Institute of Electrical and Electronic Engineers (IEEE), (Member, 2001-2019)

Japanese Society of Cerebral Blood Flow and Metabolism (Director Board, 2012-present)

The Japanese Society of Nuclear Medicine (Director Board, 2011-2019)

SCIENTIFIC RESEARCH AND ITS SOCIETAL IMPACT

Summary of publications (until August 14, 2017):

322 Published or in press original articles in international peer-review journals

57 Published or in press original articles in Japanese peer-review journals

37 Published review articles in Japanese peer-review journal

50 Book chapters

Number of citations (until 22th February, 2017): 8350 (average: 31.16), **H-index:** 48, **No of Patents:** 17

AWARDS

1987: Young investigators awards, Society of Cerebral Blood Flow & Metabolism, Montreal

1988: Nakamura-Takashi Award, Sendai, Japan

1992: Investigators awards, Japan Society of Nuclear Medicine, Tokyo

2003: The Japanese Society of Nuclear Cardiology Award, Tokyo

2005: Heikki Wendelin Medal, Turku PET Center, Finland

2006: Award from Minister of Science and Technology Policy for collaboration of Academia, industry and government, Cabinet Office, Government of Japan.

2011: Doctor honoris causa of the faculty of Medicine, University of Turku, Finland

SPECIAL AREAS OF EXPERTISE/INTEREST

Dr. Hidehiro Iida has received PhD in experimental Nuclear Physics. He joined a research group to develop PET scanner for clinical use. Dual PET tomograph enabled brain and heart imaging simultaneously, from which uncoupled/coupled regulation between the two organs were confirmed in both blood flow and oxidative metabolism. He then started to work on developing methodologies for functional parametric imaging of bio-physiological functions with PET, SPECT and MRI modalities. Some of techniques (eg, myocardial perfusion with ¹⁵O-water and PET) are recognized a gold standard. He also contributed to develop a methodology and software (QSPECT) which has been utilized in >400 clinical institutions. He has demonstrated the value of the modeling and instrumentation in PET, SPECT and MRI for clinical research and clinical diagnosis on patients with cerebral and cardiovascular diseases.