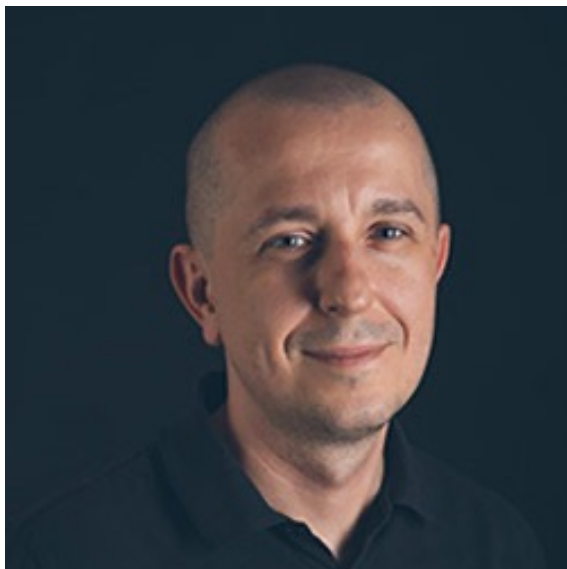


ISH Presidential Lecture

Oct 15, 2022



Professor Maciej Tomaszewski

President, International Society of Hypertension

Professor of Cardiovascular Medicine University of Manchester
Consultant Physician

Manchester University NHS Foundation Trust
Chair, Journal of Hypertension Board of Management

Lecture title:

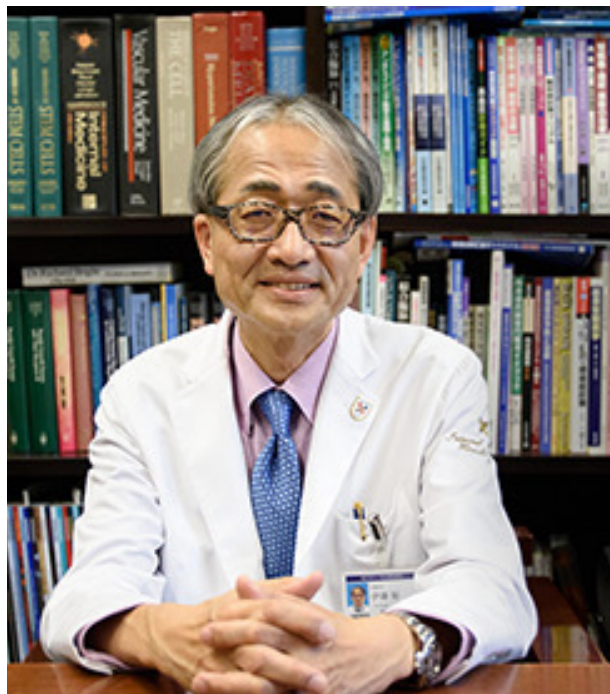
**“Genetic mechanisms of blood pressure regulation and human hypertension –
what have we learnt from kidney multi-omics?”**

ISH 2022 Kyoto Chairperson's address

Dr. Hiroshi Itoh

Chair, ISH 2022 Kyoto

**Immediate Past President, The Japanese Society of Hypertension
Department of Endocrinology, Metabolism and Nephrology, Keio
University School of Medicine**



Chairperson's Lecture (Oct 13)

**"Wisdom for conquering hypertension---FOOD, MOVE, AI:
towards sustainable well-being"**

APSH Presidential Lecture (Oct 14)

**"Mineralocorticoid receptor (MR)-associated hypertension"
in "Greedy Organ Hypothesis"**

Plenary Lecture

Oct 12 (Following Opening Ceremony)

Dr. Victor J. Dzau

**President of the Institute of Medicine and the
National Academy of Medicine**

<Awards and Honors>

2004 Distinguished Scientist Award, AHA

2004 Max Delbrück Medal

2005 Ellis Island Medal of Honor

2012 Henry Freisen International Prize

2014 Singapore Public Service Medal

2019 Honorary Citizen Award (Singapore)



Lecture title:

“Hypertension: Past Progress, Present Challenges and Future Promises”

Plenary Lecture

Oct 13

Dr. Masashi Yanagisawa

**Director, International Institute for Integrative Sleep
Medicine (WPI-IIIS), The University of Tsukuba**

<Awards and Honors>

1998 The Donald Seldin Award

1998 The Novartis Award

2017 Erwin von Balz Award

2018 The Asahi Prize

2019 The Keio Medical Science Prize

2023 Breakthrough Prize



Lecture title:

“Deciphering the mystery of sleep: toward the molecular substrate for sleepiness” 3

Plenary Lecture

Oct 14

Dr. Hiroo Imura

President of the Japan Academy



<Awards and Honors>

1986 Takeda Prize for Medical Science

1988 Erwin von Balz Award

1997 Robert H. Williams Distinguished Leadership Award

1999 Sakaguchi Award

2005 Grand Cordon of the Order of the Sacred Treasure

Lecture title:

“Toward precision medicine of metabolic diseases based on genetic ancestry”

Plenary Lecture

Oct 14

Dr. Shinya Yamanaka

**Professor, Center for iPS Cell Research and Application,
Kyoto University
Nobel Prize laureate**

<Awards and Honors>

2007 Meyenburg Prize

2008 Massry Prize

2010 Kyoto Prize

2011 Wolf Prize

2012 Nobel Prize in Physiology or Medicine

Lecture title:

“Recent Progress in iPS Cell Research and Application”





Plenary Lecture

Oct 15

Dr. Richard P Lifton

President, Rockefeller University

<Awards and Honors>

1998 Homer Smith Award, ASN

1999 Novartis Award, AHA

2005 Distinguished Scientist Award, AHA

2006 Robert Tigerstedt Award, ISH

2007 A.N. Richards Award, ISN

2008 Wiley Prize

2014 Breakthrough Prize

2023 George M. Kober Medal, Association of American Physicians

Lecture title:

“Insights into molecular mechanisms of hypertension from human genetics”₆

ISH 2022 Franz Volhard Award for Outstanding Research Lecture

Oct 15

Dr. Suzanne Oparil

Distinguished Professor of Medicine, Professor of Cell,
Developmental and Integrative Biology
United Therapeutics Endowed Professorship in Pulmonary
Vascular Disease

Director, Vascular Biology and Hypertension Program of the
Division of Cardiovascular Disease
University of Alabama at Birmingham
Birmingham, Alabama, USA

Past President, American Heart Association (AHA)

Past President, American Society of Hypertension (ASH)



Lecture title:

“My Road in Academic Cardiology”

Program

Featured Presentation



Oct 13

Prof. Hiroshi Ishiguro (Robotics & AI)

(Department of Systems Innovation,
Osaka University • ATR Hiroshi Ishiguro Laboratories)

**“Robotics and Health: Avatar technology for
supporting our future society”**

Hiroshi Ishiguro



**Noritaka
Ando**



Oct 14

Ms. Naoko Yamazaki (Space & Move)

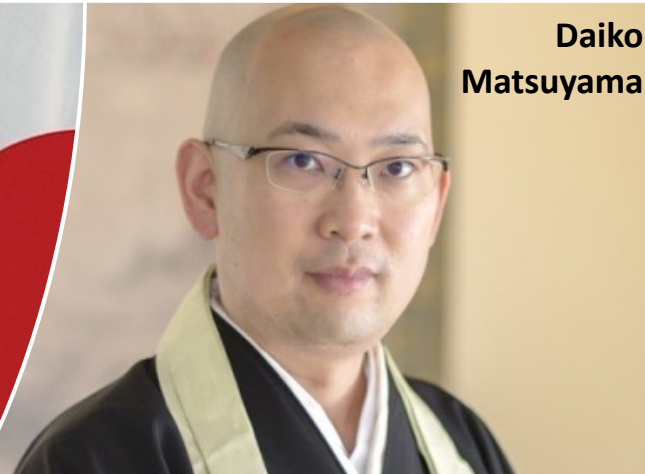
(Former JAXA astronaut)

“Health Maintenance and Teamwork in Space”

Naoko Yamazaki



**Daiko
Matsuyama**



Oct 15

Mr. Noritaka Ando (Food)

(President & Representative Director,
NISSIN FOOD PRODUCTS CO.,LTD.)

**“Research on Complete Nutrition Meal to Avoid the
Metabolic Domino Effect, Realizing Mibyou
Prevention (Disease-Free State)”**

Oct 15

Rev. Daiko Matsuyama (Wellness)

(Taizoin Zen Buddhist Temple)

“Spirit of Kyoto, spirit of Zen”

ISH Position Papers and Other Publications Session

Dr. Maciej TOMASZEWSKI (UK)

ISH papers - overview of the strategy and outputs (2021-22)

Dr. Nadia A. KHAN (CANADA)

ISH Position Paper 1: Virtual Management of Hypertension

Dr. George S. STERGIOU (GREECE)

ISH position paper 2: Bedtime dosing of antihypertensives

Dr. Fadi J. CHARCHAR (AUSTRALIA)

ISH position paper 3: Lifestyle changes in hypertension

Dr. Bryan WILLIAMS (UK)

ISH position paper 4: Combination treatment in hypertension

Dr. Aletta E. SCHUTTE (AUSTRALIA)

Addressing global disparities in blood pressure control: Perspectives of the International Society of Hypertension

Dr. Tazeen JAFAR (SINGAPORE)

Scaling-up Hypertension Care in Resource-Challenged Settings Globally



**International
Society of
Hypertension**

AWARDS Session

Oct 13

- **ISH Austin Doyle Award:** 6 candidate presentations

Oct 14

- **ISH New Investigator Oral Presentation Award:** 6 presentations
- **ISH2022 Kyoto Young Investigator Award:** 6 presentations
- **APSH Young Investigator Award:** 6 presentations

Oct 15

- **ISH2022 Kyoto Best Oral Presentation Award:** 10 presentations

Poster sessions

ISH2022 Kyoto Best Poster Presentation Award

Awardees will be recognized at ISH Award Ceremony (5:00PM, Oct 15), APSH Award Ceremony (4:30PM, Oct 14), and Closing Ceremony (0:40PM, Oct 16)



Special Presentation (TED-like short presentation: Oct 14)



Dr. Akira Nishiyama
“Future hypertension research”



Dr. Takuya Kishi
“(TBA)”



U. Glasgow, past ESH president
Dr. Anna F. Dominiczak
“Precision medicine and cardiovascular disease”



Fu Wai hospital, China
Dr. Weili Zhang
“Aggressive BP management in older Asian people”

From STEP study



Kyoto University of Foreign Studies
Dr. Garr Reynolds
“Presentation Zen”

Main session: 187 Invited Speakers from 40 countries

ARGENTINA	3
AUSTRALIA	14
AUSTRIA	1
BAHRAIN	1
BELGIUM	1
BRAZIL	2
CAMEROON	1
CANADA	7
CHINA	5
DENMARK	1
FRANCE	2
GERMANY	5
GREECE	2
INDIA	2

INDONESIA	1
IRAQ	1
ISRAEL	1
ITALY	6
JAPAN	64
MALAYSIA	2
MEXICO	1
MOZAMBIQUE	1
NETHERLANDS	3
NIGERIA	2
NORWAY	1
PAKISTAN	1
PHILIPPINES	2
POLAND	3

PORTUGAL	1
SINGAPORE	3
SOUTH AFRICA	4
SOUTH KOREA	4
SPAIN	2
SWEDEN	1
TAIWAN	3
THAILAND	1
UK	11
URUGUAY	1
USA	19
VIETNAM	1

Main session: selected prestigious invited speakers!

Oct 13

- **Dr. Paul K. Whelton** (USA): Hypertension management in patients with cardiovascular disease
- **Dr. Rhian M. Touyz** (UK): Angiotensin, vascular aging and hypertension
- **Dr. Jenz Titze** (Singapore): Multi-organ regulation of body fluid and blood pressure homeostasis
- **Dr. Dick de Zeeuw** (Netherlands): High blood pressure and Albuminuria, both therapeutic targets for cardiovascular disease protection?
- **Dr. Luis Miguel Ruilope** (Spain): ROLE OF SACUBITRIL/VALSARTAN IN THE CONTROL OF BLOOD PRESSURE
- **Dr. Joseph T. Flynn** (USA): What level of blood pressure is concerning in childhood?
- **Dr. Thomas Weber** (Austria): Aortic pulse wave velocity and cardiovascular risk
- **Dr. Giuseppe Mancina** (Italy): Past and future of hypertension research
- **Dr. Thomas Unger** (Netherlands): The Renin Angiotensin System in Basic and Clinical Research

Main session: selected prestigious invited speakers!

Oct 14

- **Dr. Gian Paolo Rossi** (Italy): Atrial fibrillation
- **Dr. Maria-Christina Zennaro** (France): Genetic mechanisms of hypertension in different forms of primary aldosteronism
- **Dr. Michael Weber** (USA): Lessons Learned About Hypertension from Renal Denervation Clinical Trials
- **Dr. Sadayoshi Ito** (Japan): The roles of kidney in blood pressure elevation
- **Dr. Cesar Romero** (USA): Pathophysiology and management of isolated diastolic hypertension
- **Dr. Issei Komuro** (Japan): Hypertension and heart failure: new insights
- **Dr. Suzanne Oparil** (USA): Role of MR blockers in resistant and refractory hypertension
- **Dr. Kate Denton** (Australia): Brief early life ACE inhibition to prevent development of hypertension
- **Dr. Ruan Kruger** (South Africa): Challenges and opportunities for cardiovascular health promotion in children

Main session: selected prestigious invited speakers!

Oct 15

- **Dr. Jiguang Wang** (China): Hypertension therapy using web-based programming and interpretation of ambulatory blood pressure monitoring
- **Dr. Fadi J. Charchar** (Australia): Non-coding RNA and microRNA in cardiovascular diseases
- **Dr. Aletta E. Schutte** (Australia): The promise of cuffless blood pressure monitoring in managing hypertension
- **Dr. Toshiro Fujita** (Japan): Epigenetic mechanism of salt-sensitive hypertension
- **Dr. Louise Burrell** (Australia): Diverse biology of human ACE2
- **Dr. Ernesto Schiffrin** (Canada): Inflammation and immunity in hypertension
- **Dr. Naoki Kashihara** (Japan): Past, present and future of CKD in Japan
- **Dr. Motoko Yanagita** (Japan): Role of tertiary lymphoid tissues in kidney inflammation

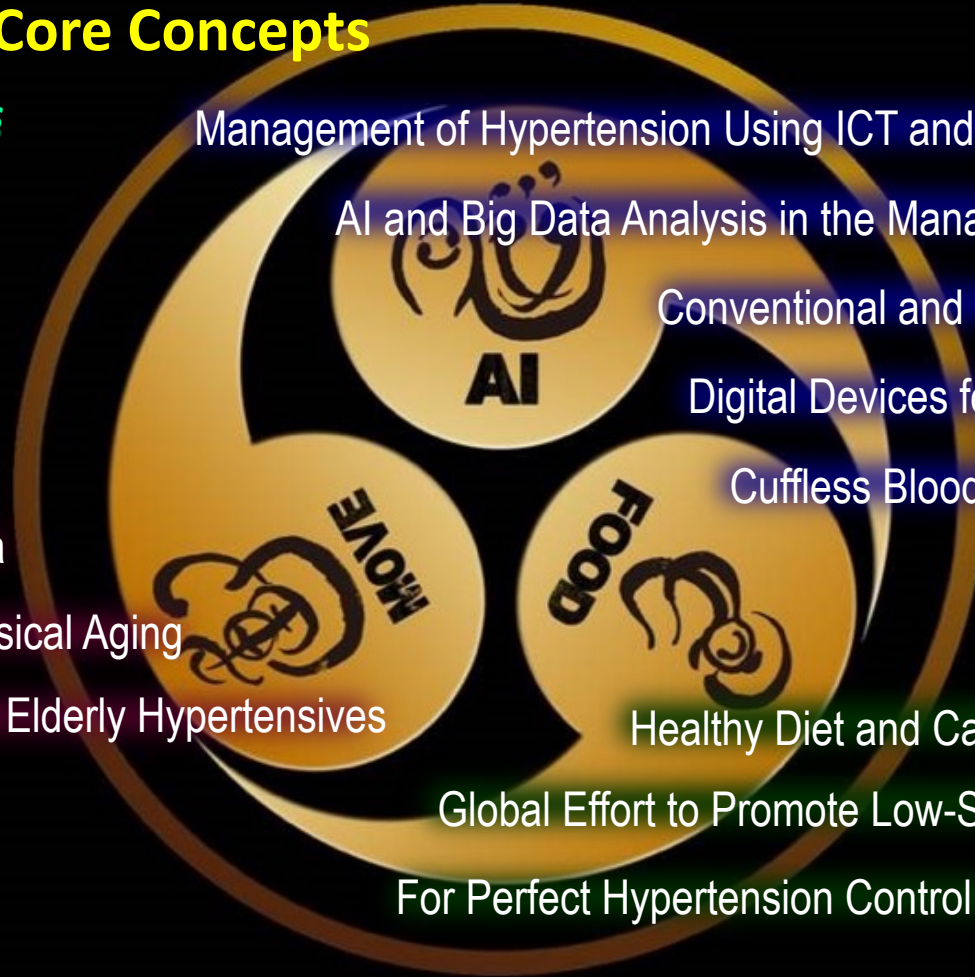
Main session: selected prestigious invited speakers!

Oct 16

- **Dr. Reinhold Kreutz** (Germany): Lifestyle, psychological, socioeconomic and environmental factors and their impact on hypertension during the COVID-19 pandemic
- **Dr. Rudy M. Ortiz** (USA): Caloric Restriction and Blood Pressure Regulation during Metabolic Syndrome
- **Dr. Makoto Kuro-O** (Japan): Increased fibroblast growth factor-21 in chronic kidney disease is a trade-off between survival benefit and blood pressure dysregulation
- **Dr. Richard Wainford** (USA): Sympathetic Regulation of Salt Sensitivity
- **Dr. Rajeev Gupta** (India): Socioeconomic factors and prevention of cardiovascular diseases in Asia
- **Dr. Bruce Neal** (Australia): Effect of Salt Substitution on Cardiovascular Events and Death
- **Dr. John Funder** (Australia): Primary Aldosteronism – Where to from Here?
- **Dr. Dominik Muller** (Germany): How the gut microbiota regulates blood pressure: the role of the immune system
- **Dr. George S. Stergiou** (Greece): Are cuffless blood pressure measuring devices ready for clinical use?

ISH2022 Three Core Concepts

Featured sessions



Management of Hypertension Using ICT and Personal Health Record

AI and Big Data Analysis in the Management of Hypertension

Conventional and Future BP Measurement

Digital Devices for Hypertension Therapy

Cuffless Blood Pressure Measurement

Exercise & Sarcopenia

Hypertension and Physical Aging

Exercise Guidance for Elderly Hypertensives

Healthy Diet and Cardio-Metabolic Diseases

Global Effort to Promote Low-Salt, Potassium-Rich Diet

For Perfect Hypertension Control in Daily Clinical Practice

: Japan Method

Late-Breaking Session (Oct 14)

Tom MACDONALD (UK)

Evening dosing or morning dosing: insights from TIME study

Kazuomi KARIO (JAPAN)

Effect of esaxerenone on nocturnal blood pressure combined with renin-angiotensin system inhibitor or calcium channel blocker in uncontrolled hypertension

Peter SEVER (UK)

The ASCOT Legacy Cohort: The long-term effects of blood pressure and blood pressure variability on cardiovascular and renal outcomes

George SIOPIS (AUSTRALIA)

Comparative effectiveness and implementation of digital health interventions for people with hypertension: Systematic review and meta-analysis of randomized controlled trials

Nana ISHIMURA (JAPAN)

Association between Income and Progression of Chronic Kidney Disease in Japan: a nationwide cohort study

Lebo Francina GAFANE-MATEMANE (SOUTH AFRICA)

Circulating angiotensin converting enzyme 2 activity as a cardiovascular risk marker in a young healthy population: The African-PREDICT study

Michél STRAUSS-KRUGER (SOUTH AFRICA)

Urinary metabolomics, dietary salt intake and blood pressure: The African-PREDICT study

Brian J. MORRIS (AUSTRALIA)

Gene variants that neutralize mortality risk from hypertension and thereby increase lifespan

Meet the Expert and Debate Sessions

Oct 14, 15:00-15:40

Dr. Suzanne OPARIL
Dr. Hirotaka SHIBATA

Meet the Expert

USA
JAPAN

How to use mineralocorticoid receptor blockers in Hypertension

Role of MR blockers in resistant and refractory hypertension
MR blockers as the possible first-line therapy in hypertension

Oct 14, 15:40-16:30

Dr. Charalambos VLACHOPOULOS
Dr. Bryan WILLIAMS

Debate Session 1

GREECE
UK

Does arterial stiffness add benefit to hypertension management?

Pro: Yes arterial stiffness adds benefit to hypertension management
Con: No arterial stiffness does not add benefit to hypertension management

Oct 15, 10:20-11:50

Dr. Alexandre PERSU
Dr. Jan A. STAESSEN

Debate Session 2

1. Should we start antihypertensive treatment with combination therapy?

BELGIUM
BELGIUM

Starting antihypertensive treatment with combination therapy- Pro.
Starting Antihypertensive Treatment with Combination Therapy: Con Side of the Argument

2. Should we stop antihypertensive medications for the end-of-life patients with hypertension?

Dr. Athanase BENETOS
Dr. Hiromi RAKUGI

FRANCE
JAPAN

Pro: Yes we should stop antihypertensive medications
No, we should not stop antihypertensive medications for end-of-life patients with hypertension.

Case Report Oral Presentation Session

(Case with Hypertension **World Grand Prix 2022**: in collaboration with JSH)

Sagun PAUDEL (NEPAL)

Non-Communicable Diseases (NCDs) Prevention and Control: Policies and Progress in Nepal

Wataru FUJII (JAPAN)

Long-term efficacy and safety of aliskiren in four cases with malignant hypertension

Yuan-Yuan KANG (CHINA)

Unique imaging findings in renal artery fibromuscular dysplasia

Andrei SCHASTLIVENKO (BELARUS)

Prevalence of Arterial Hypertension in the Population Living in the Radioactive Contaminated Territory

Monika VITKAUSKAITE (LITHUANIA)

Thrombotic microangiopathy or malignant hypertension: which comes first? A case report from a tertiary care hospital

Mary Jane BOTABARA (PHILIPPINES)

Fresh Start: A Lifestyle Intervention Approach in Reversing Hypertension

Ryutaro MORITA (JAPAN)

Association between plasma aldosterone concentration and ambulatory blood pressure profile in patients with primary aldosteronism

Iulia IATAN (CANADA)

Case Report: Possible New Channelopathy Associated with Elevated Aldosterone Levels

Birinder MANGAT (CANADA)

Primary Hyperaldosteronism in a Triplet Pregnancy: Considerations for intra-partum diagnosis and management

Martin HAUSBERG (GERMANY)

A Rare Cause Of Treatment-Resistant Hypertension

Diverse Joint Sessions include:

Oct 13:

- World Health Organization (**WHO**) Joint Session
- European Society of Hypertension (**ESH**) Joint Session
- Japanese Society of Hypertension (**JSH**) Joint session (Oct 13 to 16)

Oct 15:

- World Hypertension League (**WHL**) Joint Session (Oct 15 & Oct 16)
- Korean Society of Hypertension (**KSH**) Joint Session
- **HBPRCA & ECCR** Joint Session
- **HOPE Asia** Joint Session

Oct 16:

- American Heart Association (**AHA**) Joint Session

Please visit at
<https://www.ish2022.org/>
for more detail!!