Workshop on Active Ageing – Living longer and healthier in an ageing world

Programme

Wednesday 20 September, at 18.00

Welcome reception in the Nobel Museum in Stockholm old town

Thursday 21 September

Venue
Nobel Forum, Nobels väg 1, Karolinska Institutet Campus in Solna, Stockholm.

Map of the venues  Presentation of speakers

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.15-08.50</td>
<td>Registration and coffee</td>
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<td>08.50</td>
<td>All participants seated and awaiting the arrival of the Queen of Sweden</td>
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Opening

Chair: Maria Masucci, Professor, Deputy Vice-Chancellor for International Affairs, KI

Welcoming by the University leaders:

- Ole Petter Ottersen, Professor, Vice-Chancellor Karolinska Institutet
- Sigbritt Karlsson, Professor, President KTH Royal Institute of Technology
- Astrid Söderbergh Widding, Professor, Vice-Chancellor Stockholm University
- Mamoru Mitsuishi, Professor, Executive Director and Vice President, The University of Tokyo
Inaugural speech by **HM Queen Silvia**, The Queen of Sweden

Speech by **HE Jun Yamazaki**, Ambassador of Japan to Sweden

Introduction to Nobel Forum by **Thomas Perlmann**, Professor, Secretary of the Nobel Assembly

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**Relevance and frame of the topic**

**Chair:** **Junichiro Shiomi**, Professor, School of Engineering, UT

**Naoto Sekimura**, Professor, Vice President, UT

*Strategic partnership, Four Universities together for a better world*

09.30-10.00

**Livia Sz. Oláh**, Assoc. Professor, Department of Sociology, SU

*Sweden and Japan in an ageing world*

**Laura Fratiglioni**, Professor, Aging Research Center (ARC) KI

*Healthy ageing: mission impossible?*

10.00-10.30  Short break and group photo

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**Towards a healthier ageing: Biophysical approach**

**Chairs:**

- **Shu Takagi**, Professor, School of Engineering, UT
- **Erik Lindahl**, Professor, Department of Computational Biophysics, KTH

10.30-12.15

**10.30-11.30 - Main lectures**

- **Mamoru Mitsuishi**, Professor, Executive Director & Vice President, UT

  *Anticipating the Future of Medical Robotics*

- **Ilona Koupil**, Professor, Centre for Health Equity Studies, SU

  *Early life determinants of healthy ageing*
11.30-12.15 - Discussion

- **Ung-il Chung/Yuichi Tei**, Professor, School of Engineering & School of Medicine, UT
  *Personalized medicine using voice analysis and health data*

- **Nancy Pedersen**, Professor, Department of Medical Epidemiology and Biostatistics, KI
  *Interplay of genes and environment in aging*

- **Hedvig Kjellström**, Professor, Department of Robotics, Perception and Learning, KTH
  *Artificial Intelligence in Healthcare*

12.15-13.15  Break with lunch

13.15-13.25  Presentation of the Japan Society for the Promotion of Science (JSPS)

- **Tadaharu Tsumoto**, Director, JSPS Stockholm Office

13.30-15.15  Personalized medicine: Biomedical approach

**Chairs:**

- **Haruhiko Bito**, Professor, School of Medicine, UT
- **Bengt Winblad**, Professor, Department of Neurobiology, Care Sciences and Society (NVS), KI

13.30-14.30 - Main lectures

- **Takeshi Iwatsubo**, Professor, School of Medicine, UT
  *Alzheimer's disease: from molecular pathology to prevention*

- **Joakim Lundeberg**, Professor, Science For Life Laboratory (SciLifeLab), KTH
  *Genomic strategies for personalized medicine*

14.30-15.15 - Discussion

- **Taisuke Tomita**, Professor, School of Pharmaceutical Science, UT
  *What's new about beta amyloid?*

- **Bengt Winblad**, Professor, Department of Neurobiology, Care Sciences and Society (NVS), KI
  *New treatments for neurodegeneration*

- **Torbjörn Akerstedt**, Senior Professor, Stockholm Stress Center, SU
Aging – is it really related to fatigue and poor sleep

15.15-15.30  Break

Health promotion and prevention: Social sciences approach

Chairs:

- Håkan Fischer, Professor, Department of Psychology, SU
- Atsushi Hiyama, Lecturer, Research Center for Advanced Science and Technology, UT

15.30-16.30 - Main lectures

- Katsuya Iijima, Professor, Institute of Gerontology, UT
  ‘Action Research’ to Re-design Aging Community -Comprehensive Approach from ‘Frailty Prevention’-
- Francesca Mangialasche, Researcher, Department of Neurobiology, Care Sciences and Society (NVS), KI
  Intervention studies for a healthier ageing

15.30-17.15

16.30-17.15 - Discussion

- Hui Xin Wang, Professor, Stress Research Institute, SU
  Life long prevention of dementia
- Hugo Westerlund, Professor, Stress Research Institute, SU
  Healthy and Productive Work in Later Life
- Britt Östlund, Professor, Department of Health Systems Engineering, KTH
  Digitizing later life
Conclusions of day one and information about evening & coming day

17.15-17.30

Reception hosted by the Stockholm office of the Japan Society for the Promotion of Science (JSPS). Venue: Nobel Forum

Friday 22 September

<table>
<thead>
<tr>
<th>09.00-12.00</th>
<th>Group Discussions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group</strong></td>
<td><strong>Coordinator</strong></td>
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<tr>
<td><strong>Towards healthier ageing: Biophysical approach</strong></td>
<td><strong>Erik Lindahl</strong>, Professor, SciLifeLab, KTH</td>
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<td><strong>Shu Takagi</strong>, Professor, School of Engineering, UT</td>
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<tr>
<td>Topic</td>
<td>Participants</td>
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<td><strong>Personalized medicine: Biomedical approach</strong></td>
<td><strong>Davide Vetrano</strong>, Researcher, Ageing Research Center (ARC) KI</td>
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<td><strong>Yuto Kitamura</strong>, Associate Professor, Graduate School of Education, UT</td>
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<td>12.00-13.30</td>
<td><strong>Light lunch at Nobel Forum</strong></td>
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<td><strong>Reports from the discussions and future activities (Nobel Forum)</strong></td>
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<td>15.00</td>
<td><strong>Cultural event - visit to the Vasa museum</strong></td>
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**Event in commemoration of the 150th anniversary of the establishment of the diplomatic relations between Japan and Sweden**