

Optional site visits proposed:

- *Department of Nuclear Medicine, LMU Munich*
- *Institute of Computational Biology, Helmholtz Zentrum München*
- *Munich Center for Machine Learning MCML*
- *IFL Labor, Klinikum Rechts der ISAR, Computer Aided Medical Procedures & Augmented Reality, TUM*
- *Zentralinstitut Medizintechnik, FAU; Medical Valley Center EMN, Erlangen; Zollhof, Nürnberg (Presentation in Munich)*

Minister's Statement

AI is one of the most important technological developments of our lifetime – here in Bavaria as much as in the rest of the world. I welcome the cooperation of strong partners from Québec, Israel, France and Bavaria, so we can tackle the challenges of the future on a global scale.

*Bernd Sibler, Bavarian State Minister
Of Science and the Arts*

Chief Scientist's Statement

The Research Funds that I direct have for a few years been very involved in the development of AI research in Québec. It is important to stimulate international collaborations, among others with Bavaria, in this very critical area for tomorrow's economic and social development.

Rémi Quirion, Chief Scientist of Québec

Moderation:

Inji Yagmour (MEI, Québec)

Location:

Institut français de Munich
Palais Seyssel d'Aix, Kaulbachstraße 13,
80539 München

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Symposium

Artificial Intelligence and the Future of Universities



AI for Medical Applications



January 21, 2020
08:00 – 17:30

Institut français, Munich



Welcome

We are pleased to welcome you to a new symposium on *Artificial Intelligence and the Future of Universities*. Our 2020 edition will focus on „AI for Medical Applications“, a fast growing field which includes topics as different as bioinformatics, computer aided medical procedures, intelligent robotics for health care, machine learning and deep learning algorithms for medical image processing, and many more. The developments made over the last ten years are all of particular importance for society, and they raise ethical concerns at the same time.

Québec is known for its international leadership in Artificial Intelligence. Since 2017, the Québec government has allocated over 500 M\$ to promote AI in science, technology, and industry (ai.quebec). Recently, the Bavarian government announced a technology offensive based on significant investments of two billion euros, of which 600 million euros will support AI and Supertech in the next four years ([Hightech Agenda Bavaria](#)).

As part of the ceremonies accompanying the 30th anniversary of the bilateral cooperation between Bavaria and Québec, Minister Bernd Sibler and Chief Scientist Rémi Quirion launched in April 2019 in Montréal our workshop series. The new symposium, and the site visits offered the day after, will provide insights into the Bavarian and the Québec reality in AI research for medicine. In science, strong international partners are key to success. We are particularly honoured to welcome special guests from Israel and France to this new edition.

Inji Yaghmour, Florence Gauzy

21 January 2020 – Morning Session

From 07:45 : Arrival and registration of participants

- 08:00 Welcome and Keynote**
Martin Reichel, BayFOR; Inji Yaghmour, MEI
Special welcome by Thomas Vautravers, Director of the Institut français Munich
- 08:15 Bernd Sibler, Bavarian State Minister of Science and the Arts
- 08:30 Rémi Quirion, Chief Scientist of Québec
- 08:45 Keynote: Juliane Winkelmann, TUM
- 09:15 Marie-Ève Jean, DGQMu / Inji Yaghmour, MEI
 Moderation, workshop objectives and format
- 09:30 Session I**
Chair: Nancy Mayo, McGill University
- 09:30 Fabian Theis | TUM, Helmholtz
- 09:45 Karim Jerbi | Mila, Université de Montréal
 Q&A
- 10:15 *Statement: Thomas Seidl, LMU, MCML - Q&A*
- 10:30 *Coffee Break*
- 10:45 Vladimir Golkov, Daniel Cremers | TUM
- 11:00 Sol Efroni, Bar-Ilan University (BIU)
 Q&A
- 11:15 *Statement: Nancy Mayo, McGill University*
- 11:30 David Buckeridge | McGill University
 Q&A
- 12:00 Lunch**
- 13:00 Panel: AI News in Bavaria, Québec & Israel**
 Foreword: Hans Michael Strepp, StMD; Sandra Simovich, Consul General of Israel; Hervé Martin, BCU
 Panel: XR Hub, AININ, HumanIA
 Moderation: Anna Abelmann, WKS, BayFOR

21 January 2020 – Afternoon Session

- 13:45 Session II**
Chair: Bavaria
- 13:45 Nassir Navab | TUM
- 14:00 Rolando Del Maestro | The Neuro
- 14:15 *Statement: Jean Saint-Vil, McGill University*
Statement: Marie-Jean Meurs, UQAM - Q&A
- 14:30 Björn Eskofier | FAU
- 14:45 *Statement: Pierre-Paul Vidal, Université de Paris*
 Q&A
- 15:00 Keynote: Rémi Quirion, FRQ, Québec
- 15:15 Yehoshua Zeevi | Technion
 Q&A
- 15:30 *Coffee break*
- 15:45 Session III**
Chair: Sol Efroni, Bar-Ilan University (BIU)
- 15:45 Klaus Diepold | TUM, MSRMR
- 16:00 Jacob Goldberger | Bar-Ilan University (BIU)
- 16:15 *Statement: Yves Joannette, Consortium Santé numérique – Université de Montréal - Q&A*
- 16:30 Sibylle Ziegler | Klinikum der Universität München
- 16:45 Volker Tresp | LMU, MCML
- 17:00 *Statement: Axelle Cheney, Armin Gerl, University of Passau - Q&A*
- 17:15 Conclusion and Next Steps**
 17:30 *Florence Gauzy (WKS, BayFOR)*
- 18:00 Closing Reception**