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[Home](#) > Early-career researchers in medical applications at CERN give short talks on computing and simulation

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## **Early-career researchers in medical applications at CERN give short talks on computing and simulation** <sup>[1]</sup>

**Date:**

Monday, 12 February, 2018 - 16:00 to 17:30

**Location:**

eg. CERN Building 513 Room 000 <sup>[2]</sup>

Discover how technological advances for high-energy physics have become essential tools for modern medicine. CERN seeks to answer fundamental questions about the Universe, and this mission naturally contributes to advancing the frontiers of technology. State-of-the-art techniques developed for particle accelerators, detectors, and physics computing have applications beyond the high-energy physics community in the medical field. These applications now have an essential role in clinical practices and medical research centres: from imaging devices, accelerator-technology dedicated to cancer therapy, to simulations and data science tools. This knowledge transfer from the high-energy physics community to innovation in other fields is an inherent component of CERN's mission and culture. It fuels scientific collaboration and technological advances, and drives innovation. In addition, it motivates future generations of scientists, and contributes to the public awareness of the impact of fundamental science. This series of short talks will showcase the diverse medical applications that arise from technology developed at CERN and in high-energy physics.

These talks will focus on projects in computing and simulation.

Attendance is open to all without registration. If you require a CERN access card please contact us.

Coffee will be served at 15.30.

This event is organised by CERN's Knowledge Transfer (KT) Group as well as by the CERN Medical Applications Project Forum (MAPF). Showcased research activities are supported by CERN Medical Applications.

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**Links**

- [1] <http://test-static-05.web.cern.ch/news/early-career-researchers-medical-applications-cern-give-short-talks-computing-and-simulation>
- [2] <https://maps.cern.ch/mapsearch/>