



MAP: Munich-Centre for Advanced Photonics

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Munich Centre for Advanced Photonics (MAP), LMU, TUM, MPI

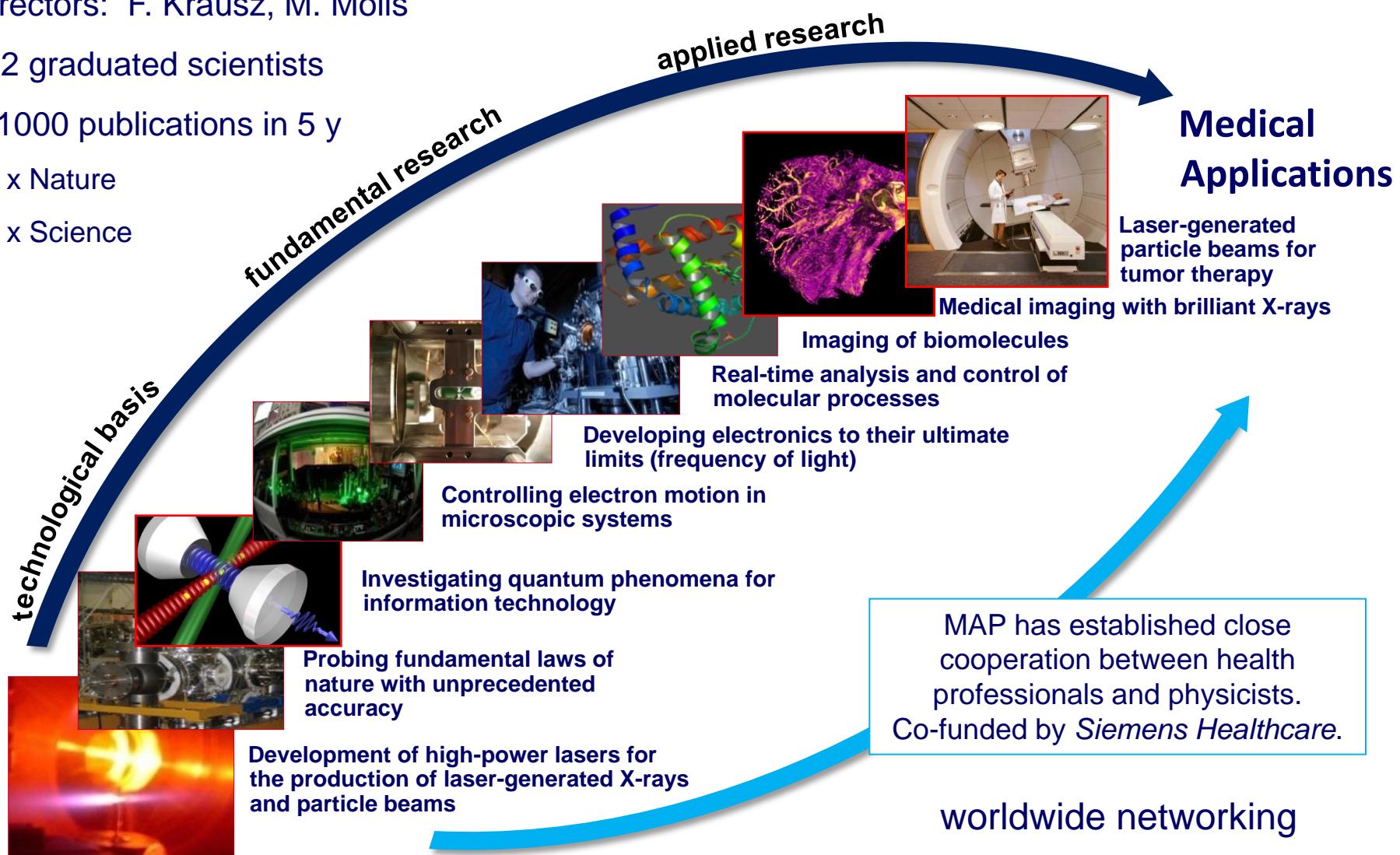
Directors: F. Krausz, M. Molls

112 graduated scientists

> 1000 publications in 5 y

23 x Nature

18 x Science



MAP II

A Next-generation sources and device technology

- A.1 Broadband and intense coherent light sources (Karsch, Krausz)
- A.2 Laser-based high-energy particle (x-ray, proton, ion) sources (Grüner, Schreiber)
- A.3 New technologies for broadband laser, ultrashort x-ray & high-energy particle beams (Kleineberg, Apolonsky)

B Probing & controlling electrons

- B.1 Electronic structure and dynamics (Barth, Kienberger)
- B.2 Molecular processes (Riedle, Domcke)
- B.3 Light-wave electronics (Goulielmakis, Kling)

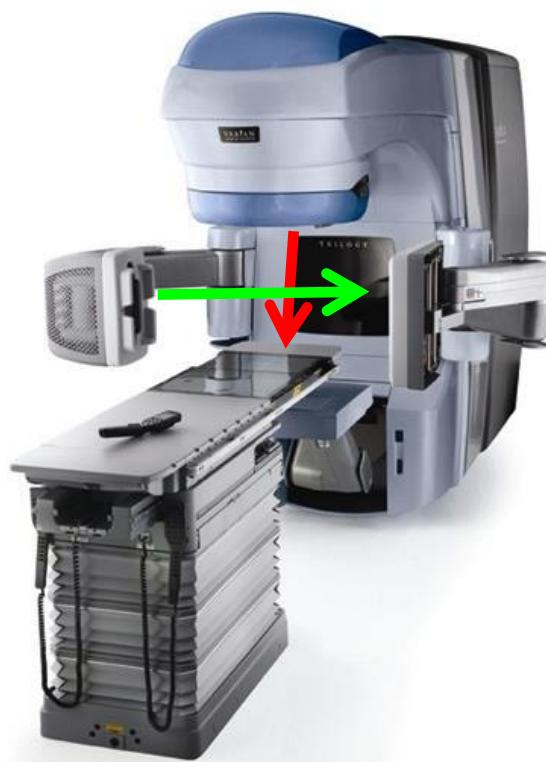
C Biomedical Diagnosis & Therapy: Translation to Clinical Applications

- C.1 Biomedical physics and technology (Pfeiffer, Nüsslin)
- C.2 Preclinical and Clinical imaging (Reiser, Pfeiffer)
- C.3 Radiation therapy (Molls, Wilkens)

Vision of MAP/ CALA: Image Guided Radiation Therapy

Today

Modern linac with CT



www.varian.com

Future

