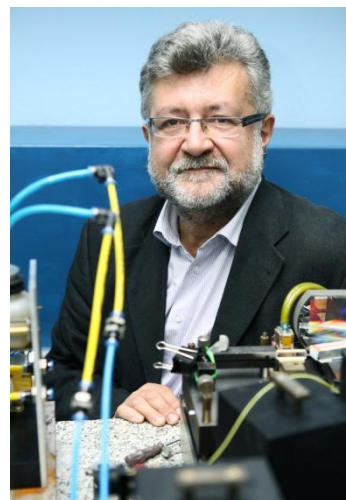


Maciej Lewenstein (ICREA, ICFO)

Dr. Maciej Lewenstein is a Polish theoretical physicist, currently an ICREA professor at the Institute of Photonic Sciences (ICFO) in Castelldefels, near Barcelona. He has authored over 480 scientific articles and 2 books and has received many international and national prizes. After graduating from the Institute of Theoretical Physics (ITP) - Warsaw University in 1978, he worked there as a scientific assistant until 1979. He then joined the new Centre for Theoretical Physics of the Polish Academy of Sciences in Warsaw (CTP PAS), where he began his PhD research on applications of functional integration methods in quantum optics with Prof. Kazimierz Rzążewski. In 1981, he joined the



University of Duisburg-Essen as a DAAD fellow and completed his thesis in 1983 under the supervision of Prof. Fritz Haake, achieving *summa cum laude* honours, as well as the university's prize. Between 1984 and 1986, he continued at the University of Duisburg-Essen as a postdoc fellow, working on statistical physics of disordered systems. After returning to Poland and becoming a faculty member at CTP PAS, he obtained habilitation in 1986 at the Institute of Physics (IP PAS) in Warsaw. His habilitation concerned cavity quantum electrodynamics and intense laser-matter interactions.

Areas of Specialization:

Quantum Optics; Disordered ultra-cold atomic gases; Ultracold dipolar gases; Nano optics and quantum many-body physics; Dynamic nanolandscape of immune receptors.