



MENTORING & CAREER TRACK SCHEME SEMINARS

**New techniques, new discoveries and new
ideas, in random order**



**Anastassis
(Tassos)
Perrakis**

**The Netherlands Cancer
Institute and Onco
Institute**



**WEDNESDAY
3/12/2025**

15:00-16:00

Costas Fotakis Room 1

I studied biology at the University of Athens and obtained my PhD in chemistry from the University of York for research I conducted at the European Molecular Biology Laboratory (EMBL). After a long-term EMBO fellowship working on DNA mismatch repair, I became a staff scientist and group leader at EMBL-Grenoble. There, I coordinated the development of the first-ever X-ray micro-diffractometer. I also focused on pattern recognition methods for crystallographic electron density map interpretation. For the past twenty-five years, I have worked at the Netherlands Cancer Institute. For the last decade, I have also been affiliated with the Onco Institute and hold a professorship at Utrecht University. My team manages a diverse portfolio of projects. These range from developing methods to validate and enrich experimental and predicted protein structures to using X-ray crystallography and single-particle cryo-electron microscopy together with biophysical methods. We have used these approaches to understand diverse biological systems (e.g. questions in late mitosis and microtubule modifications) and understand lysolipid signalling to develop new drug leads. Our current focus is on understanding the mechanisms that underlie zinc finger transcription factor-mediated activation of DNA transcription, in relation to the discovery of Zincore.

<https://www.nki.nl/research/research-groups/anastassis-tassos-perrakis>

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