



## Program

Thursday 12 December

09:30-10:00	Registration, welcome coffee/tea	
10.00-10.15	Scott Trager	NOVA@25: an introduction – looking back and looking forward
10.15-10.30	Michiel Rodenhuis	The NOVA model: our science & instrument project cycle
<b>The Nature of Compact Objects</b>		
10.30-11.00	Heino Falcke	Imaging Black Holes with the Event Horizon Telescope - past, present and future
11.00-11.15	Anna Watts	Mapping neutron stars – inside and out
11.15-11.30	Elena Maria Rossi	The complex galactic centre stellar dynamics and the multi-messenger transients it produces
11.30-11.45	Manuela Vecchi	Gamma rays from dark matter spikes in Intermediate mass black holes
11.45-12.00	Phil Uttley	Future prospects for X-ray studies of black holes
12.00-13.00	Lunch	
13.00-13.30	Ramon Navarro	NOVA instrumentation and the link to industry
<b>Our Solar System in Context</b>		
13.30-13.55	Carsten Dominik	Advances in our understanding of planet formation from spatially resolved disk observations
13.55-14.05	Nienke van-der Marel	Next steps in planet formation studies
14.05-14.15	Aditya Arabhavi	Chemical characterization of ingredients for planet formation around young stars
14.15-14.40	Michiel Min	Exoplanet search programs of NOVA and the move into the characterization era
14.40-14.50	Tim Lichtenberg	The dawn of rocky exoplanet characterisation
14.50-15.00	Ekaterina Ilin	Magnetic Winds and Plasma Seas: Interactions in Star-Planet Systems
15.00-15.30	Coffee/tea	
<b>Galaxies Through Cosmic Time</b>		
15.30-16.00	Karina Caputi	Galaxy Evolution at Infrared Wavelengths
16.00-16.15	Mariska Kriek	Elemental Insights into Massive Galaxy Formation
16.15-16.30	Lucie Rowland	Discovery of a dynamically cold disc galaxy at $z=7.31$
16.30-16.45	Filippo Fraternali	The circumgalactic medium of Milky Way-like galaxies
<b>Evening program - Omniversum</b>		
17:30-18:45	Walking dinner	
19:00-20:30	NOVA25 Omniversum show	
20:30-21:30	Drinks	



## Program

Friday 13 December

### The Dark Side of the Universe

09.00-09.30	Koen Kuijken	KiDS and Euclid
09.30-09.45	Joop Schaye	The FLAMINGO simulations of large-scale structure and galaxy clusters
09.45-10.15	Marieke Baan	The NOVA Information Center: Science communication and outreach
10.15-10.45	Coffee/tea	

### The Molecular Universe

10.45-11.10	Serena Viti	Insights into astrochemistry in the Milky Way and beyond from recent missions and future outlook
11.10-11.20	Ko-Ju Chuang	Building up molecular complexity from atoms to complex organics
11.20-11.30	Alessandra Candian	The Aromatic Cosmos: Exploring Carbon Chemistry in Space

### New Results in Transient Astrophysics

11.30-12.00	Gijs Nelemans & Andrew Levan	GWs, binary black holes and multi-messenger astrophysics
12.00-13.00	Lunch	
13.00-13.15	Philipp Mösta	Extreme transients – connecting observations and theory
13.15-13.30	Jason Hessels	Zooming in on fast radio bursts in space & time
13.30-13.45	Antonia Rowlinson	Fast radio follow-up of GRBs and the search for coherent radio transients
13.45-14.00	Paul Groot	Time Domain Astronomy: towards a real-time experience

### Star Formation Near and Far

14.00-14.25	Lex Kaper	The formation, evolution and fate of massive stars in the Local Group and beyond
14.25-14.35	Sarah Brands	Massive stars at low metallicity
14.35-14.45	Maite Wilhelm	Simulating Stellar Clusters: To the Stars and Beyond
14.45-15.15	Coffee/tea	

### Unveiling the Milky Way's History

15.15-15.45	Amina Helmi	The rise of Galactic archaeology: 25 years and going strong
15.45-16.00	Søren Larsen	How typical is the Milky Way? Stellar population studies beyond our Galaxy
16.00-16.15	Scott Trager & Michiel Rodenhuis	Closing remarks