

**POSTERS presented during the PhD Symposium 2016**  
**UGent Faculty of Sciences - March 17, 2016**

NR	NAME	TITLE		DEPARTMENT
1	Ana Silva	Groups acting on right-angled buildings.	WE01	Mathematics
2	Herman De Beukelaer	Design of optimal crossing schemes for plant breeding.	WE02	Applied Mathematics, Computer Science and Statistics
3	Roy Oste	New discrete orthogonal systems and applications.	WE02	Applied Mathematics, Computer Science and Statistics
4	Heleen Sijbom	$K_2SiF_6:Mn^{4+}$ as a red phosphor for remote phosphor LEDs.	WE04	Solid State Sciences
5	Matthias Minjauw	In situ study of the sintering behavior of platinum nanoparticles synthesized and stabilized by atomic layer deposition.	WE04	Solid State Sciences
6	Benjamin Vandermarliere	Network applications in economic systems.	WE05	Physics and Astronomy
7	Jelle Dhaene / Thomas De Schryver	Improving X-ray micro-CT applied to food.	WE05	Physics and Astronomy
8	Nils Van Dessel / Tom Van Cuyck	Modelling neutrino-nucleus scattering for accelerator-based experiments.	WE05	Physics and Astronomy
9	Sam De Ridder / Sander Vanheule / Matthias Vraeghe	IceCube: doing a PhD in particle physics at the South Pole.	WE05	Physics and Astronomy
10	Sander Clerick	Generation of sulphur containing bidentate ligands on a Periodic Mesoporous Organosilica (PMO) support and heterogenization of Ru(III) as a selective oxidation catalyst in water.	WE06	Inorganic and Physical Chemistry
11	Hannes Houck	Substituted indole components as thermoreversible blocking agents for triazolinediones.	WE07	Organic and Macromolecular Chemistry
12	Jonas Van Damme	Anthracenes as reversible bonds for polymer materials.	WE07	Organic and Macromolecular Chemistry
13	Ravindra Suryakant Hegade	Phase optimized chiral liquid chromatography (POPCLC) – A novel approach for optimizing the separation of stereoisomers.	WE07	Organic and Macromolecular Chemistry
14	Timoty De Cleyn	Synthesis of moenomycin-inspired functionalized pyrrolidine and scaffolds as potential bacterial transglycosylase inhibitors.	WE07	Organic and Macromolecular Chemistry
15	Zhanyao Hou	Strain-promoted copper-free “click” chemistry for synthesis of donor-acceptor rotaxane.	WE07	Organic and Macromolecular Chemistry
16	Ana Rua-Ibarz	Assessment of Hg pollution released from a WWII submarine wreck (U-864 ) by Hg isotopic analysis of sediments and Cancer Pagurus tissues via cold vapor generation – multi-collector ICP-mass spectrometry (CVG-MC-ICP-MS).	WE08	Analytical Chemistry
17	Brecht Laforce	An integrated absorption tomography/X-ray fluorescence scanner for non-destructive 3D micro-analysis.	WE08	Analytical Chemistry
18	Aleksandra Lewandowska	Arabidopsis GLYCOLATE OXIDASE 1 and 2 display divergent roles under conditions promoting photorespiration.	WE09	Plant Biotechnology and Bioinformatics
19	Carolien De Cuyper	Dating in the rhizosphere: the role of strigolactones in the legume-rhizobia symbiosis.	WE09	Plant Biotechnology and Bioinformatics
20	Fabian Beeckman	Growth of ammonium-oxidizing bacteria and archaea.	WE09	Plant Biotechnology and Bioinformatics
21	Jan Mertens	Novel regulators activate plant species-specific bioactive terpenoid production.	WE09	Plant Biotechnology and Bioinformatics
22	Lisa Van den Broeck	Unraveling networks: a case study of a growth-inhibiting network in Arabidopsis.	WE09	Plant Biotechnology and Bioinformatics
23	Sandrien Desmet	Systematic structural characterization of the aromatic metabolism of poplar for the bio refinery.	WE09	Plant Biotechnology and Bioinformatics
24	Sylwia Struk	Molecular insight into strigolactone signaling network in <i>Arabidopsis thaliana</i> .	WE09	Plant Biotechnology and Bioinformatics
25	Sofie Depluvere	The role of secretion systems in the virulence of <i>Burkholderia cenocepacia</i> , a major cystic fibrosis pathogen.	WE10	Biochemistry and Microbiology
26	Tine Descamps	The intimate host-pathogen interaction of <i>Paenibacillus larvae</i> and the honey bee.	WE10	Biochemistry and Microbiology

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27	Yehudi Bloch	The Interleukin-12 family of cytokines and receptors: lifting the veil.	WE10	Biochemistry and Microbiology
28	Anna-Maria Vafeiadou	Climate change from another perspective: effects of temperature fluctuations on population dynamics and species interactions.	WE11	Biology
29	Aynalem Zenebe Degefa	Ongoing sedimentological study around Lake Baringo, northern Kenyan rift valley: Implication to the reconstruction of 20th century anthropogenic soil erosion.	WE11	Biology
30	Eske De Crop	The milkcap genus <i>Lactifluus</i> (Russulaceae) unravelled.	WE11	Biology
31	Lander Blommaert	Xanthophyll pigments, sunscreen for benthic diatoms.	WE11	Biology
32	Madina Rasulova	Does combination of lifespan extending mutations lead to superlongevity?	WE11	Biology
33	Mohammed Alsebai	Long-term changes in benthic communities in the Belgian part of the North Sea.	WE11	Biology
34	Qing Xue	Phylogeny and taxonomy of plant-parasitic nematodes: from early-branching to barcodes.	WE11	Biology
35	Samuel Bosch	A Marine Species Benchmark Dataset for Ecological Modelling.	WE11	Biology
36	Hanne Van den Berghe	How does the landscape tell the story of the Great War? A non-invasive landscape archaeology approach.	WE12	Geography
37	Mathijs Dumon	Phyllosilicate weathering pathways in chlorite-talc bearing soil parent materials, D.R. Congo: early findings.	WE13	Geology
38	Nore Praet	Sublacustrine landslides in several Alaskan lakes reveal a long history of strong earthquake shaking.	WE13	Geology
39	Ans De Beuckelaer	Optimization of mRNA vaccination as anti-cancer immunotherapy.	WE14	Molecular Biomedical Research
40	Delphine Demeestere	Development of an MMP8-inhibiting Nanobody and its efficacy in inflammatory disease.	WE14	Molecular Biomedical Research
41	Evi De Keuckelaere	The role of Nanos3 in tumor progression.	WE14	Molecular Biomedical Research
42	Ioanna Christopoulou	Protection against influenza and bacteria super-infection by M2e universal flu vaccine.	WE14	Molecular Biomedical Research
43	Sophie Steeland	Llama-derived antibody fragments, called Nanobodies, as new therapeutics for multiple sclerosis.	WE14	Molecular Biomedical Research
44	Vera Gorelova	The folate pathway generates reducing power in <i>Arabidopsis thaliana</i> .	WE15	Physiology