

## List of the 47 IAP-VII networks (2012-2017)

### P7/01 Literature and Media Innovation: the question of genre transformations (LMI)

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### P7/02 Multiscale Modelling of Electrical Energy Systems (M2E2S)

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### P7/03 Cancer cells and their microenvironment: from gene regulatory networks to therapy (CanEpi)

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**P7/04 Spatial and environmental determinants of Eco-Evolutionary DYNamics: anthropogenic environments as a model (SPEEDY)**

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**P7/05 Functional Supramolecular Systems (FS2)**

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DU PREZ Filip	UGent	Partner
CHAMPAGNE Benoît	UNamur	Partner
VANDERZANDE Dirk	UHasselt	Partner
VAN TENDELOO Gustaaf	UA	Partner
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**P7/06 Developing crucial Statistical methods for Understanding major complex Dynamic Systems in natural, biomedical and social sciences (StUDyS)**

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CARPENTER James	LSHTM (UK)	INT-partner

**P7/07 Paracrine and transcriptional control of cell differentiation in organ development and repair (DevRepair)**

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**P7/08 Contemporary physical challenges for Heliospheric and AstRophysical Models (CHARM)**

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**P7/09 COmparing Regionality and Sustainability in Pisidia, Boeotia, Picenum and NW Gaul between Iron and Middle Ages (1,000 BC-AD 1,000) (CORES)**

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**P7/10 Molecular and Cellular Mechanisms of Electrical Excitability in the Heart and Central Nervous System (ElecXite)**

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**P7/11 Integrated cerebral networks for perception, cognition and action in human and non-human primates (CEREBNET)**

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**P7/12 The Belgian Research Initiative on eXotic nuclei for atomic, nuclear and astrophysics studies (BriX)**

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POPESCU Lucia	CEN-SCK	Partner
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**P7/13 Integration of Cellular signaling Pathways in health and disease (ICePath)**

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**P7/14 Greater Mesopotamia: Reconstruction of its Environment and History (GMREH)**

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**P7/15 Planets: Tracing the Transfer, Origin, Preservation, and Evolution of their ReservoirS (PLANET TOPERS)**

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CLAEYS Philippe	VUB	Partner
VANHAECKE Frank	UGent	Partner
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**P7/16 An integrated approach towards understanding the pathogenesis of neurodegeneration (NEUROBRAINNET)**

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**P7/17 Hormones and neuroplasticity: image guided discoveries of molecular mechanisms in neuroplasticity (PLASTOSCINE)**

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**P7/18 DYNamics, GEometry and Statistical Physics (DYGEST)**

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**P7/19 DYnamical Systems, Control and Optimization (DYSCO)**

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**P7/20 Mechanisms of brain wiring in normal and pathological conditions (WIBRAIN)**

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**P7/21 Multiscale mechanics of INTERface dominated MATERials (INTEMATE)**

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**P7/22 Justice & Populations: The Belgian Experience in International Perspective, 1795-2015 (BeJust 2.0.)**

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**P7/23 BElgian network on STochastic modelling, analysis, design and optimization of COMMunication systems (BESTCOM)**

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**P7/24 The SOil system under GLObal change (SOGLO)**

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**P7/25 Microbial Resource Management (MRM) in engineered and natural ecosystems ( $\mu$ -manager)**

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**P7/26 City and Society in the Low Countries (ca. 1200-ca. 1850). The "condition urbaine": between resilience and vulnerability**

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**P7/27 The Global Challenge of Human Rights Integration: Toward a Users' Perspective (HRI)**

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**P7/28 Role of developmental processes in the virulence of human pathogens: from molecular mechanisms to novel therapeutic targets (MICRODEV)**

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VAN MELDEREN Laurence	ULB	Partner
HOLS Pascal	UCL	Partner
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**P7/29 Growth and development of higher plants (MARS)**

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BOUTRY Marc	UCL	Partner
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**P7/30 Importance and interaction of allergy, infections and respiratory environmental exposures in chronic lower & upper airway diseases (AIREWAY II)**

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**P7/31 Aquatic systems under multiple Stress: a new paradigm integrating aquaculture and ecotoxicology research (AquaStress)**

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KESTEMONT Patrick	UNamur	Partner
LARONDELLE Yvan	UCL	Partner
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**P7/32 Molecular Signaling in Cell Death and Inflammation: an integrative approach from basic mechanisms to disease models (DISCOBEL)**

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SAMALI Afshin	NUIG (IRL)	INT-partner

**P7/33 Mechanisms of conscious and unconscious learning (COOL)**

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**P7/34 Physical chemistry of Plasma-Surface Interaction (PSI)**

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**P7/35 Photonics@be: towards smart photonics in 2020**

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**P7/36 Combinatorial Optimization: Metaheuristics and EXact methods (COMEX)**

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**P7/37 Fundamental interactions: at the boundary of theory, phenomenology and experiment (F-I.be)**

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**P7/38 Microfluidics and micromanipulation: multi-scale applications of surface tension (micro-MAST)**

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**P7/39 T lymphocytes: from basic biology to immunotherapy (T-TIME)**

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**P7/40 G Protein-Coupled Receptors: from structures to functionally validated targets (GPCRs)**

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**P7/41 Tolerance and Resistance to parasite Infection: Trypanosomatidae as paradigm (TRIT)**

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**P7/42 If not for Profit, for What? And How? Building interdisciplinary and integrated knowledge on social entrepreneurship and social enterprise (SOCENT)**

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YOUNG Dennis	GSU (US)	INT-partner
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**P7/43 Belgian Medical Genomics Initiative (BeMGI)**

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**P7/44 Integrative PROtein Science: from small molecules to complex biological systems (IPROS)**

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HERDEWIJN Piet	KULeuven	Partner
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**P7/45 Virus – host interplay at the early stages of infection (BELVIR)**

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**P7/46 Participation and Representation. A comparative study of linkage mechanisms between citizens and the political system in contemporary democracies (PartiRep)**

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**P7/47 Human liver disease: Study of the hepatic stem cells and their niche, and development of novel model systems (HEPRO-2)**

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