

	Stratingh Institute for Chemistry http://www.rug.nl/research/stratingh/	Zernike Institute for Advanced Materials http://www.rug.nl/research/zernike/	Groningen Biomolecular and Biotechnology Institute (GBB) http://www.rug.nl/research/gbb/	Groningen Institute for Pharmacy (GRIP) http://www.rug.nl/research/grip/	Groningen Institute for Evolutionary Life Sciences (GELIFES) http://www.rug.nl/research/gelifes/
Institute focus	Core activities in the chemical sciences such as bioorganic chemistry, organic chemistry, molecular inorganic chemistry and molecular materials chemistry are embedded in the institute. The research programme is focussed on synthesis, catalysis, functional materials, bio-organic chemistry/chemical biology and systems chemistry/complex molecular systems.	Research is organised along two main lines: Biomolecular and Bio-inspired Functionality and Nanostructured Materials for Electromagnetic Functionality. Researchers at ZIAM design new materials that enable control at the atomic and molecular level, and give access to unprecedented functionalities. Some examples are domain- and interface-engineering of materials for electronic devices, the bottom-up design of dynamic (bio) hybrid systems and the synthesis of functional cellular systems. T	Design of biological systems for health and biotechnology (flagship project: tackling the antimicrobial challenge). Assembly of complex biological systems from basic molecular components	Design and evaluation of optimal drugs, products and therapies	Eco-evolutionary response of populations, communities and ecosystems to challenges imposed by their environment. Physiological, neurobiological and behavioural responses of individuals to their local conditions
Research areas	Molecular Switches and Motors Sustainability and Green Chemistry Molecular Inorganic Chemistry Chemistry of Molecular Materials and Devices Auto-catalytic and cross-catalytic systems Chemical Biology (Bio)Organic Materials and Devices Molecular Inorganic Chemistry Systems Chemistry Biomolecular Chemistry Photopharma and Biohybrid Systems	Computational Physics Device Physics of Complex Materials Macromolecular Chemistry and New Polymeric Materials Materials Science Micromechanics Molecular Biophysics Nanostructured Materials and Interfaces Nanostructures of Functional Oxides Optical Condensed Matter Physics Photophysics and OptoElectronics Physics of Nanodevices Polymer Chemistry and Bioengineering Quantum Interactions and Structural Dynamics Solid State Materials for Electronics Surfaces and Thin Films Theoretical Chemistry Theory of Condensed Matter	Chemical Biology Cell Biochemistry Biotransformation and Biocatalysis Molecular Systems Biology Molecular Microbiology Molecular Genetics Molecular Cell Biology Microbial Physiology Bioinformatics Electron Microscopy Membrane Enzymology Molecular Dynamics Protein Crystallography	PharmacoTherapy, -Epidemiology & -Economics (PTEE) Analytical Biochemistry Drug Design Pharmaceutical Biology Pharmaceutical Technology and Biopharmacy Molecular Pharmacology Pharmacokinetics, Toxicology and Targeting Pharmaceutical Analysis Pharmaceutical Gene Modulation	Behavioural & Physiological Ecology Conservation Ecology Evolutionary Genetics, Development & Behaviour Genomics Research in Ecology & Evolution in Nature Neurobiology Theoretical Research in Evolutionary Life Sciences