

BioNanoNet Research Association

Your key to Austrian Research Community

Shanghai, 26th of September 2014

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Zimmer, A.², Fröhlich, E.³, Sinner, F.⁴, Katz, G.¹**

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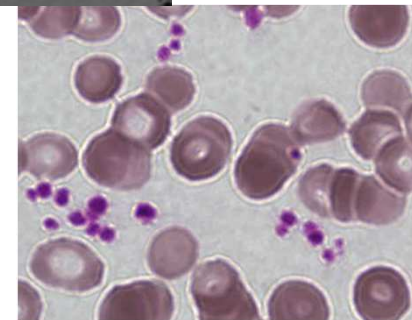
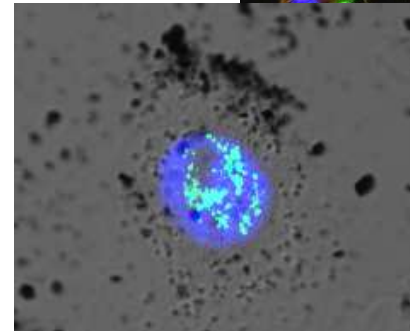
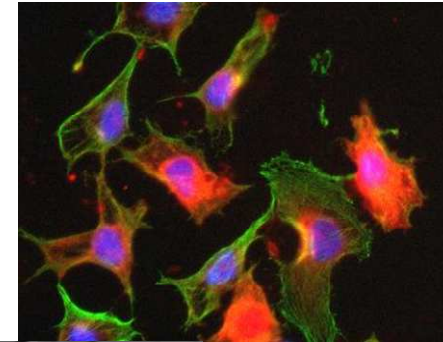
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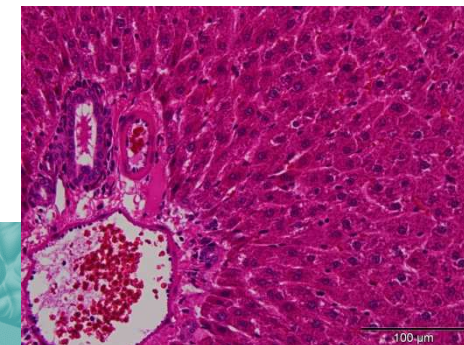
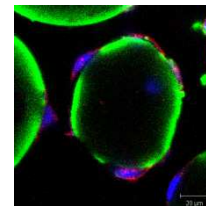
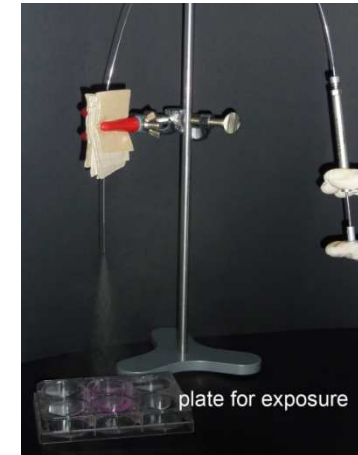
In-vitro screening methods

- Intracellular distribution
- Cytotoxicity screening
- Genotoxicity
- Hemocompatibility
- Screening for immune effects

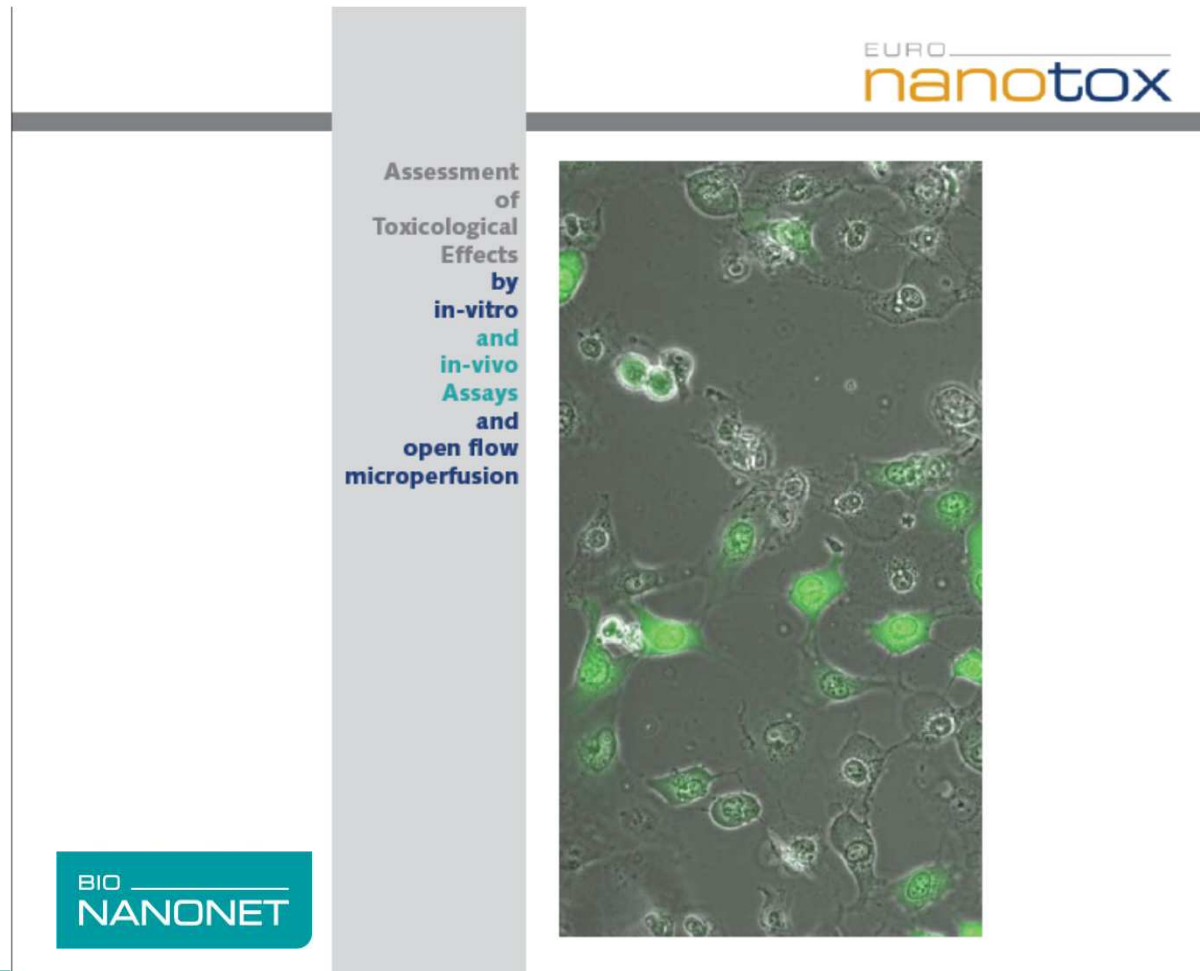


Specific exposure systems

- Exposure by MicroSprayer or
in the VitroCell system
- Long-term exposure (Bioreactor)
- Oral / in vivo exposure in mice



EURO-NanoTox - Standardized methods catalogue



http://www.euro-nanotox.at/images/stories/folder_euronanotox_webversion.pdf

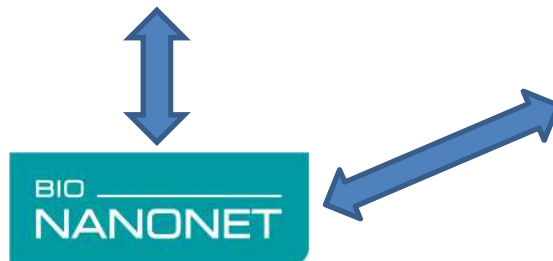
National and international cooperation

National

- NanoActionPlan-Implementation:
 - NIP (NanoInformationPortal)
 - NIK (NanoInformationsCommission)
- Clusterplattform Austria
- Nanonet-AT

International

- COST – MODENA
- COST – SGI
- COST – UPCONVERT
- HLG of Europ.Commission
- OECD – WPMN
- ETP-Nanomedicine
- NANOofutures
- NanoSafetyCluster
- EU-US-nanoEHS „Communities of Research“
- ECRN-Project Council



Your Key to the Austrian Research Community

Focus areas

- **Nanotoxicology** – EURO-NanoTox, NANOFORCE
- **Sensortechnologies** – Medical Sensor Solutions
- **Health, Safety, (Nano-)Medicine** – EHS, nano-health

BioNanoNet offers

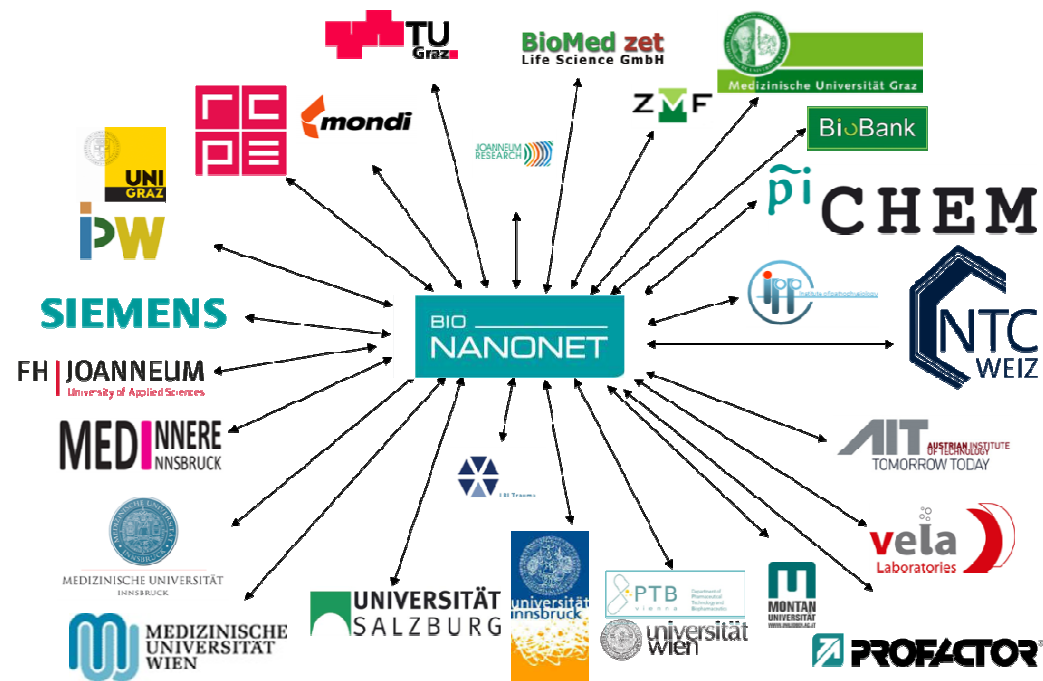
- **Communication and Management** – NANoREG, SPIDIMAN, NanoDiode
- **Regulatory and Standardisation expertise**



Your Key to the Austrian Research Community

Scientific expertise of our members

- Molekulare Diagnostics
- Pharmacotherapy
- Molekulare Targeting
- Nanotoxicology
- Biobanking
- Biosensors



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Thank you for your attention

BIONANONET
SENSOR TECHNOLOGY

BIONANONET
NANO TOXICOLOGY

BIONANONET
HEALTH SAFETY MEDICINE

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