



PhD Program in Nanotechnology

Annual Meeting 2019 – Programme

Tuesday 22/01/2019, Room 2B, second floor Building H3

time				
14:00	Opening: Prof. Lucia Pasquato – coordinator of the PhD Course in Nanotechnology Prof. Giovanni Comelli – Director Department of Physics			
chair: Alessandro Baraldi				
14:30	Elisa Miniussi Labor team w ag, Goldach, Postfach 9001 St. Gallen, Switzerland “How my PhD gave me a winning hand of cards for my career”			
15:30	break			
chair: Cristina Africh				
time	PhD student	cycle	Supervisor	Title
15:45	Amato Francesco	33	M. Prato	Synthesis, characterization and applications of Carbon Nanodots
16:05	Batistella Alice	33	M. Lazzarino	Development of a micro-fluidic oocyte sorter based on oocyte mechanical properties, for the improvement of the in vitro fertilization process
16:25	Cibinel Matteo	33	V. Lughì	Natural based thermal insulator nanocomposite
16:45	Do Rego Barros	33	D. Cojoc	Investigating label-free markers at nanoscale for cancer cells using
17:05	Fiori Sara	33	C. Africh	<i>N</i> -doped Graphene on Ni(111): Growth and Reactivity
17:25	break			
chair: Paolo Macor				
17:40	Marsili Lorenzo	33	G. Toffoli	Magnetic chitosan-based microgels as drug eluents for chemoembolization treatment
18:00	Mauro Prisca	33	P. Macor	Preclinical development of targeted nanoparticles as innovative therapeutic and diagnostic tool for tumor and angiogenesis-dependent diseases.
18:20	Nichetti Camilla	33	G. Biasiol	Development of avalanche photodiode with engineered band gap based upon III-V semiconductors

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Wednesday 23/01/2018, Room 2A, second floor Building H3

time	PhD student	cycle	Supervisor	Title
Chair: Serena Bonin				
9:00	Nurmamyrov Timur	33	S. Rubini	Growth of ordered nanowire arrays containing magnetic inserts
9:20	Senigaliesi Beatrice	33	P. Parisse	Biphasical and biomolecular analysis of EVs and their interaction with target cells
9:40	Tierno Domenico	33	S. Bonin	Comprehensive characterization and effective combinatorial targeting of high-grade serous ovarian cancer via single-cell analysis
10:00	Valente Stefano	33	L. Pasquato	Hybrid nanoparticles for theranostics: design, synthesis and characterization
10:20	Azzalini Eros	32	S. Bonin	Comprehensive characterization and effective combinatorial targeting of high-grade serous ovarian cancer via single-cell analysis
10:40	break			
chair: Alberto Morgante				
11:00	Costantini Roberto	32	A. Cossaro/A. Morgante	Probing singlet fission with chemical selectivity
11:20	Cotta Valeria	32	D. Cojoc/M. Lazzarino	Characterization of the mechanical properties of a target protein under the influence of a local thermal gradient
11:40	Cringoli Maria Cristina	32	S. Marchesan/P. Fornasiero	A spike of sulphur in self-assembling tripeptides
12:00	D'Elia Alessandro	32	M. Coreno/A. Morgante	Photoexcitation and charge transfer in nanostructured materials and precursors
12:20	Furlani Franco	32	S. Paoletti	Synthesis and characterization of polysaccharide-based nanoparticles for biomedical applications
12:40	lunch			
chair: Lucia Pasquato				
15:00	Fabio Biscarini Università di Modena e Reggio Emilia, Modena, Italy “Organic Bioelectronics and Neuroelectronics”			
16:00	break			
chair: Giuseppe Toffoli				
16:20	Iacuzzi Valentina	32	G. Toffoli	Design of detection systems for the therapeutic drug monitoring of anticancer drugs
16:40	Ronchese Paolo	32	L. Pasquato	Application rhymes with characterization: the example of gold nanoparticles
17:00	Zanoni Ilaria	32	A. Costa/F. Larese Filon	Design e characterization of nanomaterials for monitoring their biological reactivity

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Thursday 24/01/2018, Room 1B, first floor Building H3

time	PhD student	cycle	Supervisor	Title
chair: Valter Sergo				
9:20	Gurian Elisa	31	V. Sergo	Biomedical/clinical applications of Surface Enhanced Raman Spectroscopy
9:40	Squarcia Laura	31	O. Sbaizero	Multidisciplinary research on measurement on methods and technologies enabling the monitoring of bacterial biofilm growth and disinfection
10:00	Kumar Abhishek	31	M. Pedio	Growth and advanced characterization of nanostructured molecular films
10:20	Istif Akcan	31	T. Da Ros	Functionalization, characterization and biological evaluation of Carbon Nanostructures
10:40	break			
chair: Paolo Fornasiero				
11:00	Lenarda Anna	31	P. Fornasiero	Smart materials for energy applications
11:20	Pecorari Ilaria	31	O. Sbaizero	AFM as a toolbox for assessing the mechanical properties of cells with genetic mutations
11:40	Steinhartova Tereza	31	G. Biasiol	Avalanche photodiodes for X-ray detectors based on GaAs/AlGaAs semiconductors
12:00	Stredansky Matus	31	A. Morgante	Hetero-interfaces: functional molecular films and low-dimensional materials
12:20	lunch			
chair: Lisa Vaccari				
15:00	Vecchies Federica	31	S. Paoletti/E. Marsich	Development and characterization of polysaccharide-based biomaterial for biomedical applications
15:20	Zucchiatti Paolo	31	L. Vaccari/A. Baraldi	Conformational characterization of functional proteins in physiological environment by Collective Enhancement IR Absorption (CEIRA) microscopy
15:40	Tofanelli Margherita	31	R. Di Lenarda/G. Tirelli	Application of nanotechnology to the diagnosis and treatment of the oral and oropharyngeal cancer
16:00	Berton Federico	31	R. Di Lenarda	Bioresorbable Engineered Membranes for Guided Bone Regeneration with Antimicrobial Properties
16:20	break			
16:40	"Fernando Tommasini" Award "Best Career" Award Final remarks			