



**Visitor group from the
International School of Basel**

Monday, Nov 30th 2009, 14:00 - 16:00 h

Mr. Lloyd Hacker, 45 Students in Physics and Chemistry

Department of Physics / Swiss Nanoscience Institute SNI

Entrance St. Johannis-Ring 25, 4056 BASEL

Program

14:00 – 14:45	Welcome Introduction talk Nanoscience and Technology Today, there is already a lot of Nano-Technology in consumer devices like Handys, MP3 players, etc. What does the future bring us ?	Entrance Hall P. Reimann Eingangshalle Foyer St. Johannis-Ring 25 LH 1 Prof. M. Poggio
14:45 – 15:00	Break and Refreshments	Entrance hall SV Service, L. Fumagalli
15:00 – 16:00 ca.	<u>Lab Tours 1 and 2</u> Group formation (ca. 10-12 pers. max. each group)	Entrance Hall P. Reimann
16:15	End of Visit	Entrance hall

Laboratory tours

15:00 – 16:00			Lab Tour 1 Group formation (ca. 10 pers. Max. each group)	Entrance Hall P. Reimann
Group 1a	Group 1b			
Yves Pellmont	Jean-P. Ramseyer	Guide		
15:00 Start ↓	15:45		Elektronic Nose Nanomechanic cantilever arrays as nanosensors for molecules	Bio-Lab 3.19 Group H.P. Lang
15:15	15:00 Start ↓		Quantum Phenomena of Cold Ions Chemistry with ultra cold atoms and molecules in ultra high vacuum	Lasercooling Lab PC 3.1 Group Prof. St. Willitsch Department of Chemistry, Klingelbergstrasse 80
15:30	15:15		Electronics for Science an Research What's the difference between consumer electronics and electronics for science?	Electronic WS 2.17 Group M. Steinacher
15:45	15:30 ↖ ↗		Scanning Force Microscopy in UHV Forces and friction on the nanoscale	Nanolab -1.04 Group Prof. E.Meyer, Sascha Koch

16:15	End of Visit	Entrance hall
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15:00 – 16:00			Lab Tour 2 Group formation (ca. 10 pers. Max. each group)	Entrance Hall P. Reimann
Group 2a	Group 2b			
Stefan Schnell	Patrick Stöcklin	Guide		
15:00 Start ↓	15:45		Mesoscopic Physics Molecular electronics, Nano Lithography, Break Junction, Nanotubes	EG Labs 0.13 Group Prof. Ch. Schönenberger, M. Calame,
15:15	15:00 Start ↓		Mechanics for Science an Research What's the difference between consumer mechanics and mechanics for science?	Mechanic WS 0.09 Group Sascha Martin <i>(vorwiegend deutsch)</i>
15:30	15:15		Scanning Force Microscopy in UHV <i>A microscope with attonewton sensitivity for measuring individual charges and spins!</i>	AFM-Lab -1.07 Group Prof. M. Poggio
15:45	15:30 ↖ ↗		Quantum Computer <i>Quantum dots experiments</i>	Cryolab -1.3 Group Prof. D. Zumbühl, K. Schwarzwälder

16:15	End of Visit	Entrance hall
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