



## **HORST-GUNTER RUBAHN** **'Nanophotonics with active organic aggregates'**

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Seminar, February 27th, 12:00. Seminar Room

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In this talk light emitting single crystalline organic nanofibers are discussed as an example of true bottom up nanotechnology. The nanofibers are generated via molecular beam epitaxy from tailored molecular building blocks and they show well controllable morphology. The designed optoelectronic properties of the molecules are reflected in the properties of the resulting nanoaggregates and those aggregates are multiplied via bottom up self assembly. Via soft lift off the optimized nanofibers can be transferred to arbitrary substrates and thus integrated into new advanced photonic devices. Resulting demonstrators such as random lasers, anisotropic polarized light emitting arrays or custom-made nano frequency converters are shown.

**Seminar, 27th of February, 12:00h. Conference Room**

**Hosted by Prof. Romain Quidant**