

## Research Project

### EMBO Young Investigator Programme Award

#### Third-party funded project

**Project title** EMBO Young Investigator Programme Award

**Principal Investigator(s)** [Basler, Marek](#) ;

**Organisation / Research unit**

Departement Biozentrum / Infection Biology (Basler)

**Department**

**Project Website** <http://www.biozentrum.unibas.ch/basler>

**Project start** 01.01.2016

**Probable end** 31.12.2017

**Status** Completed

My lab studies structure, function and dynamics of the Type VI secretion system (T6SS). This nanomachine is evolutionarily related to contractile phage tails and delivers proteins into both bacterial and eukaryotic cells. We use various biochemical, genetic and imaging techniques to understand the key molecular mechanisms underlying the assembly, substrate delivery, and regulation of T6SS function during bacterial cell-cell interactions.

**Keywords** Bacterial secretion systems, cell-cell interactions, membrane translocation, imaging, protein structureă

**Financed by**

Foundations and Associations

**Add publication**

**Add documents**

**Specify cooperation partners**