

Virulenz / Virulenz-Inhibitoren / Pathogenitätsfaktoren / Typ III Injectisome / Chaperones, Proteostasis promoters, Typ IV Sekretionssysteme / Live Wires / Viral infectivity factor (Vif) / Adhäsine / Antiadhäsine / CRISPR

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Typ III Injectisome

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<https://www.researchgate.net/publication/309590099> **The rise of proteostasis promoters**
« Here we illustrate that molecular chaperones and the so called "chemical chaperones" are distinct entities. We propose the term "proteostasis promoters" as a more accurate descriptor for a class of compounds that demonstrate ability to promote proteostasis by modulating the UPR and/or the function of chaperones »

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« Biosynthesis of the flagellum depends on a flagellar-specific type III secretion system (T3SS), a protein export machine homologous to the export machinery of the virulence-associated injectisome. ... In summary, our results suggest that FliO functions as a novel, flagellar T3SS-specific chaperone, which facilitates quality control and productive assembly of the core T3SS export machinery ».

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- ➔ **Methylierung** <http://www.erlebnishaft.de/methylierung.pdf>
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- ➔ **Genetische Faktoren** http://www.xerlebnishaft.de/genetische_faktoren.pdf
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Adhäsine / Anti-Adhäsine

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CRISPR

CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) sind Abschnitte sich [wiederholender DNA](#) (repetitive DNA, repeats) in Bakterien und Archaeen. Sie verhindern das Eindringen von fremdem Erbgut.

CRISPR ist Teil des [CRISPR/Cas-Systems](#), das in der Gentechnik zur Erzeugung von [gentechnisch veränderten Organismen](#) genutzt wird. Quelle: <http://de.wikipedia.org/wiki/CRISPR>

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“Here, we report the discovery of three distinct families of anti-CRISPRs that specifically inhibit the CRISPR-Cas9 system of *Neisseria meningitidis*. We show that these proteins bind directly to *N. meningitidis* Cas9 (NmeCas9) and can be used as potent inhibitors of genome editing by this system in human cells. These anti-CRISPR proteins now enable “off-switches” for CRISPR-Cas9 activity and provide a genetically encodable means to inhibit CRISPR-Cas9 genome editing in eukaryotes”.

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