

Biotikum-Quellendokument HS20 II ("Biokuriosum")

Alle Weblinks wurden zuletzt am 15. November 2020 aufgerufen.

Kuriose Namen und ihre Geschichten

Papers

- T. Erwin. 2010. *Agra*, arboreal beetles of Neotropical forests: *pusilla* group and *piranha* group systematics and notes on their ways of life (Coleoptera, Carabidae, Lebiini, Agrina). *Zookeys* 66: 1 – 28.

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- [The World's Strangest Scientific Names | Science](#)
- [Funny or Curious Zoological Names](#)
- [Conquered lorikeet](#)
- [Ninjemys](#)
- [Agra schwarzeneggeri](#)
- [Agra \(beetle\)](#)
- [Spongiforma squarepantsii](#)
- [Kamera lens](#)
- [Gelae](#)
- [Ba humbugi](#)
- [Aha ha](#)
- [Han \(trilobite\)](#)
- [Pachycephalosaurus](#)
- [Gollumjapyx smeagol](#)
- [List of things named after JRR Tolkien and his works](#)
- [Lucifer \(prawn\)](#)
- [Belzebub \(prawn\)](#)
- [Mephisto fraserbrunneri](#)
- [Widemouth blindcat](#)
- [Neopalpa donaldtrumpi](#)
- [Binomial nomenclature](#)

Bilder

- [Agra Schwarztzeneggeri](#)
- [Lucifer gamba prawn shrimp](#)

Photoheterotrophe Insekten

Papers

- Valmalette, J., Dombrovsky, A., Brat, P. *et al.* Light- induced electron transfer and ATP synthesis in a carotene synthesizing insect. *Sci Rep* **2**, 579 (2012).
<https://doi.org/10.1038/srep00579>
- Moran, N. A., Jarvik, T. Lateral Transfer of Genes from Fungi Underlies Carotenoid Production in Aphids. *Science* **328**, 624 (2010).
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- Plotkin, M., Hod, I., Zaban, A. *et al.* Solar energy harvesting in the epicuticle of the oriental hornet (*Vespa orientalis*). *Naturwissenschaften* **97**, 1067 (2010). <https://doi.org/10.1007/s00114-010-0728-1>

Weblink

- [Symbiodinium - Tree of Life web project](#)
- [4 Incredible Photosynthetic Animals - University of Michigan News](#)

Bilder

- Grüne Erbsenlaus: Wikimedia Commons, [File:Pea aphid \(6851672066\) \(2\).jpg](#)
- Orange Erbsenlaus 1: Wikimedia Commons, [File:Pea aphid \(6851672066\) \(2\).jpg](#)
- Orange Erbsenlaus 2: AphID, [AphID - Acyrthosiphon pisum](#)
- Orientalische Hornisse: Wikimedia Commons, [File:Doğu Eşekarısı - Vespa orientalis - Oriental hornet 01.JPG](#)

Bacterial Nanowires

Papers

- Derek R. Lovley, Toshiyuki Ueki, Tian Zhang, Nikhil S Malvankar, Pravin M Shrestha, Kelly A Flanagan, Mukta Aklujkar, Jessica E Butler, Ludovic Giloteaux, Amelia-Elena Rotaru, Dawn E Holmes, Ashley E Franks, Roberto Orellana, Carla Risso, Kelly P Nevin, 2011, *Advances in Microbial Physiology VOL. 59*, DOI: 10.1016/B978-0-12387661-4.00004-5
- Vargas M, Malvankar NS, Tremblay P-L, Leang C, Smith JA, Patel P, Synoeyenbos-West O, Nevin KP, Lovley DR. 2013. *Aromatic amino acids required for pili conductivity and long-range extracellular electron transport in Geobacter sulfurreducens*, *mBio* 4(2):e00105-13, DOI :10.1128/mBio.00105-13

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- [Geobacter sulfurreducens — Wikipédia](#)
- [Bioélectronique : des bactéries conduisent l'électricité !](#)
- [En bref : comment des bactéries conduisent l'électricité](#)
- [Electricity-Conducting Bacteria May Inspire Next-Gen Medical Devices
 <https://www.forbes.com/sites/linhanhcat/2019/06/24/bioelectronics-electric-bacteria/?sh=14876a2f9683>](#)
- [Electricity-conducting bacteria yield secret to tiny batteries, big medical advances](#)

Bilder

- [Geobacter Bacteria Breakthrough- Electricity Generated From Hydrogen](#)

Die Aalfrage

Papers

- P. Stoodley, K. Sauer, D. Davies and J. Costerton. 2002. Biofilms as Complex Differentiated Communities. *Annu. Rev. Microbiol*, 56, 187 – 209.

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- [Max Schultze | German zoologist](#)
- [Where Do Eels Come From?](#)
- [Aale](#)
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- [Dem Geheimnis auf der Spur - Allgemeinwissen - Stil - SZ.de](#)

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- [eel metamorphosis](#)

10 kuriose Fakten über Nacktschnecken

Papers

- H. Reise, J. M. C. Hutchinson. 2002. Penis-biting slugs: wild claims and confusions. *Trends in Ecology & Evolution*, [https://doi.org/10.1016/S0169-5347\(02\)02453-9](https://doi.org/10.1016/S0169-5347(02)02453-9)
- Cai, H., Li, Q., Fang, X. *et al.* A draft genome assembly of the solar-powered sea slug *Elysia chlorotica*. *Sci Data* **6**, 190022 (2019). <https://doi.org/10.1038/sdata.2019.22>

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- [Slug trap](#)
- [How to Be Sluggish](#)
- [Evaluating Opportunities and Barriers to Improving the Energy Efficiency of Small Nebraska Wastewater Treatment Plants](#)
- [Health & Medical News - Man's brain infected by eating slugs - 20/10/2003](#)
- [Solar-Powered Sea Slugs. Mollusc/Algal Chloroplast Symbiosis1,2](#)
- [Reproductive behaviours: The Banana Slug](#)

Blau, blau, blau, sind keine meiner Tiere...

Papers

- Simonis, Priscilla & Serge, Berthier. (2012). Chapter number 1 How Nature produces blue color.
- Cuthill, I., Allen, W., Arbuckle, K., Caspers, B., Chaplin, G., & Hauber, M. et al. (2017). The biology of color. *Science*, 357(6350), eaan0221. doi: 10.1126/science.aan0221
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Der mit dem längsten Telomer

Papers

- Martínez DE. Mortality patterns suggest lack of senescence in hydra. *Exp Gerontol.* 1998 May;33(3):217-25. doi: 10.1016/s0531-5565(97)00113-7. PMID: 9615920.
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- Klapper, Wolfram, Kühne, Karen, Singh, Kumud K, Heidorn, Klaus, Parwaresch, Reza and Krupp, Guido(1998), Longevity of lobsters is linked to ubiquitous telomerase expression, *FEBS Letters*, 439, doi: 10.1016/S0014-5793(98)01357-X
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- Tian, X., Azpurua, J., Hine, C. et al. High-molecular-mass hyaluronan mediates the cancer resistance of the naked mole rat. *Nature* 499, 346–349 (2013). <https://doi.org/10.1038/nature12234>

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- [List of longest-living organisms](#)
- [Don't Listen to the Buzz: Lobsters Aren't Actually Immortal](#)
- [Soil beneath ocean found to harbor long lived bacteria, fungi and viruses](#)

Desulforudis audaxviator

Papers

- Li-Hung Lin, Pei-Ling Wang, Douglas Rumble, Johanna Lippmann-Pipke, Erik Boice, Lisa M. Pratt, Barbara Sherwood Lollar, Eoin L. Brodie, Terry C. Hazen, Gary L.

Andersen, Todd Z. DeSantis, Duane P. Moser, Dave Kershaw, Tullis C. Onstott: Long-Term Sustainability of a High-Energy, Low-Diversity Crustal Biome. In: Science. Band 314, Nr. 5798, 20. Oktober 2006, S. 479–482, doi:10.1126/science.1127376

- Dylan Chivian, Eoin L. Brodie, Eric J. Alm, David E. Culley, Paramvir S. Dehal, Todd Z. DeSantis, Thomas M. Gihring, Alla Lapidus, Li-Hung Lin, Stephen R. Lowry, Duane P. Moser, Paul M. Richardson, Gordon Southam, Greg Wanger, Lisa M. Pratt, Gary L. Andersen, Terry C. Hazen, Fred J. Brockman, Adam P. Arkin, Tullis C. Onstott: Environmental Genomics Reveals a Single-Species Ecosystem Deep Within Earth. In: Science. Band 322, Nr. 5899, 10. Oktober 2008, S. 275–278, doi:10.1126/science.1155495

Bilder

- Biofilm: [National Science Foundation](#)
- [Candidatus Desulforudis audaxviator](#)

Wie von Geisterhand bewegt

Papers

- de Bekker, C., Ohm, R.A., Loreto, R.G. et al. Gene expression during zombie ant biting behavior reflects the complexity underlying fungal parasitic behavioral manipulation. BMC Genomics 16, 620 (2015). <https://doi.org/10.1186/s12864-015-1812-x>
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- Maridel A. Fredericksen, Yizhe Zhang, Missy L. Hazen et al. Networks of fungal parasites in manipulated ants. National Academy of Sciences Nov 2017, 114 (47) 12590-12595; DOI: 10.1073/pnas.1711673114

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- [Ophiocordyceps unilateralis](#)

Literatur uns so...

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- Harald Stümpke: Bau und Leben der Rhinogradentia

Amoeba!

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- [Stromatolite. Wikipedia](#)
- [Faded Reflection: Lance Hahn, 1967-2007](#)

- [Lance Hahn, 1967-2007](#)
- Guy Debord - Society of the Spectacle
- Ronan Givony - 24 Hour Revenge Therapy (33 ⅓)

Puns and Funs

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