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KA Hossmann and K

Sato <http://www.sciencemag.org/cgi/pmidlookup?view=long&pmid=4908037> showed in 1970 (quote 19 of the Nature paper!) that cat brains recover an EEG and evoked potentials after up to 1 hour complete arrest of blood circulation. This article was followed by an exchange of letters on 'Criteria of brain death', and Hossmann concluded: 'This suggests that even prolonged electrocerebral silence does not prove the irreversible loss of neuronal function' <https://science.sciencemag.org/content/sci/170/3961/1000.1.full.pdf>.

Circulatory arrests of up to 20 minutes are documented (silent EEG!) in which patients recovered after resuscitation, possibly with slight neuropsychological deficits (mostly memory deficits, see below, as a result of delayed neuronal cell death, this was shown by neuropathologists in the 80s and 90s, see Petito et al. <https://www.ncbi.nlm.nih.gov/pubmed/3614648>).

A recent example of an isolated perfused brain preparation: Breschi et al. <https://doi.org/10.1111/j.1528-1167.2011.03356.x>.

'Delayed neuronal vulnerability' (and by older neuropathologists 'maturation phenomenon') was described by Ito, Klatzo and others <https://www.ncbi.nlm.nih.gov/pubmed/1180003>.

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Inspiziert wurde mein Beitrag von Anne Scheels sehr gutem Blogpost 'Why we should love null results' <http://www.the100.ci/2017/06/01/why-we-should-love-null-results/>

Hilfestellung beim Publizieren von NULL-Resultaten finden Sie bei FIDDLE – File Drawer Data Liberation Effort. Where and how to publish null / neutral results? <http://s-quest.bihealth.org/fiddle/>

Leider nur an Charité und Max Delbrück Center: Der 1.000 € QUEST-Preis für NULL-Ergebnisse und Replikationsstudien. Veröffentlichen Sie Ihr NULL-Ergebnis – Kämpfen Sie gegen das negative Publikations-Vorurteil an! Veröffentlichen Sie Ihre Replikationsstudien – Kämpfen Sie gegen die Replikationskrise an! <https://www.bihealth.org/de/forschung/quest-center/initiativen/>

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Egger M. Random selection for science funding: not such a crazy idea. 2018. [Horizons](#)

Fang FC, Casadevall A. 2016. Research funding: the case for a modified lottery. [mBio 7\(2\):e00422-16](#).

Firpo T, Smith L. A random approach to innovation. 2018. [NESTA](#)

Klaus B, del Alamo D. Talent Identification at the limits of Peer Review: an analysis of the EMBO Postdoctoral Fellowships Selection Process [BioRxiv. 2018](#)

2019-3 Einsichten eines Wissenschaftsnarren (18):

Link zur BMBF Ausschreibung: Richtlinie zur Förderung von konfirmatorischen präklinischen Studien – Qualität in der Gesundheitsforschung – Bundesanzeiger vom: 27.12.2018 Abgabetermin: 28.03.2019 Die Texte sowie weitere Unterlagen und Links finden Sie hier: <https://www.gesundheitsforschung-bmbf.de/de/8344.php>

Munafò MR, Davey Smith G. Robust research needs many lines of evidence. [Nature. 2018 Jan 25;553\(7689\):399-401](#).

2019-1 Einsichten eines Wissenschaftsnarren (17):

Carmen M. Reinhart & Kenneth S. Rogoff, 2010. "Growth in a Time of Debt," American Economic Review, American Economic Association, vol. 100(2), pages 573-78 <https://www.nber.org/papers/w15639>

Dirnagl U, Przesdzing I, Kurreck C, Major S. A Laboratory Critical Incident and Error Reporting System for Experimental Biomedicine. PLoS Biol. 2016 Dec 1;14(12):e2000705. <https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.2000705>

Dirnagl U, Bernard R. Errors and error management in biomedical research. In: How Could This Happen? Managing Errors in Organizations, Palgrave Macmillan, Cham (978-3-319-76403-0). <https://zenodo.org/record/1406922#.XC5QQVxKjZt>

Methodischer Leitfaden Morbiditäts- und Mortalitätskonferenzen (M & MK) der Bundesärztekammer https://www.bundesaerztekammer.de/fileadmin/user_upload/downloads/pdf-Ordner/QS/M_Mk.pdf

Bsp. aus retractionwatch.com aus der Kategorie „doing the right thing“, also einer ‚gut gemachten‘ Retraction wegen honest error <https://retractionwatch.com/2013/10/10/ronald-science/>

2018-12 Einsichten eines Wissenschaftsnarren (16):

Halkjær SI, Christensen AH, Lo BZS, Browne PD, Günther S, Hansen LH, Petersen AM. Faecal microbiota transplantation alters gut microbiota in patients with irritable bowel syndrome: results from a randomised, double-blind placebo-controlled study. *Gut*. 2018 Jul 6. pii: [gutjnl-2018-316434](https://doi.org/10.1136/gutjnl-2018-316434). doi: 10.1136/gutjnl-2018-316434.

Overselling the microbiome in The Tree of Life. Blog of Jonathan A. Eisen, Professor at U.C. Davis. <https://phylogenomics.blogspot.com/search/label/overselling%20the%20microbiome>

Guyenet S. Microbiota and obesity: Is it all hype? <http://www.stephanguyenet.com/microbiota-and-obesity-is-it-all-hype/>

Valencia PM, Richard M, Brock J, Boglioli E. The human microbiome: opportunity or hype? *Nat Rev Drug Discov*. 2017 Dec;16(12):823-824. doi: 10.1038/nrd.2017.154. Epub 2017 Sep 15.

100 Years Later: The Lone German Soldier Whose Poop Fights on <https://ubiome.com/blog/post/100-years-later-lone-german-soldier-whose-poop-fights/>

2018-11 Einsichten eines Wissenschaftsnarren (15):

Robin Hanson (1995) Could gambling save science? Encouraging an honest consensus, *Social Epistemology: A Journal of Knowledge, Culture and Policy*, 9:1, 3-33, DOI: 10.1080/02691729508578768 <http://dx.doi.org/10.1080/02691729508578768>

Michael Thicke (2017) Prediction Markets for Science: Is the Cure Worse than the Disease?, *Social Epistemology*, 31:5, 451-467, DOI: 10.1080/02691728.2017.1346720 <https://doi.org/10.1080/02691728.2017.1346720>

Dreber A, Pfeiffer T, Almenberg J, Isaksson S, Wilson B, Chen Y, Nosek BA, Johannesson M. (2015) Using prediction markets to estimate the reproducibility of scientific research. *Proc Natl Acad Sci U S A*. Dec 15;112(50):15343-7. doi: 10.1073/pnas.1516179112. Epub 2015 Nov 9

Munafo MR, Pfeiffer T, Altmejd A, Heikensten E, Almenberg J, Bird A, Chen Y, Wilson B, Johannesson M, Dreber A. (2015) Using prediction markets to forecast research evaluations. *R Soc Open Sci*. Oct 28;2(10):150287. doi: 10.1098/rsos.150287. eCollection 2015 Oct. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4632515/>

Colin F. Camerer, Anna Dreber, Felix Holzmeister, Teck-Hua Ho, Jürgen Huber, Magnus Johannesson, Michael Kirchler, Gideon Nave, Brian A. Nosek, Thomas Pfeiffer, Adam Altmejd, Nick Buttrick, Taizan Chan, Yiling Chen, Eskil Forsell, Anup Gampa, Emma Heikensten, Lily Hummer, Taisuke Imai, Siri Isaksson, Dylan Manfredi, Julia Rose, Eric-Jan Wagenmakers & Hang Wu. (2018) Evaluating the replicability of social science experiments in Nature and Science between 2010 and 2015. *Nature Human Behaviour* volume 2, pages 637–644 <https://www.nature.com/articles/s41562-018-0399-z>

Übrigens ähnelt der vom Wissenschaftsnarren zitierte Artikel von Robin Hanson, in dem er Prediction markets für die Konsensusfindung in der Forschung vorschlägt, in seiner Anlage, Radikalität und Innovation dem des mysteriösen Blockchain-Erfinder Satoshi Nakamoto. Dieser hatte in seinem legendären Artikel ausgehend von einer Kritik gängiger Zahlungssysteme ein digitales Währungsprinzip vorgeschlagen, welches nicht nur Spekulanten angelockt hat, sondern mittlerweile in einer Vielzahl von Anwendungen eingesetzt wird, bei denen es um distribuierte Buchführung geht.

Nakamoto, S (2012) Bitcoin: A Peer-to-Peer Electronic Cash System. <http://article.gmane.org/gmane.comp.encryption.general/12588/>

2018-10 Einsichten eines Wissenschaftsnarren (14):

Yarborough M, Bredenoord A, D'Abramo F, Joyce NC, Kimmelman J, Ogbogu U, Sena E, Strech D, Dirnagl U. The bench is closer to the bedside than we think: Uncovering the ethical ties between

preclinical researchers in translational neuroscience and patients in clinical trials. [PLoS Biol. 2018 Jun 6;16\(6\):e2006343](#). doi: 10.1371/journal.pbio.2006343.

Yarborough M, Dirnagl U. Preclinical research: Meet patients to sharpen up research. *Nature*. 2017 Nov 16;551(7680):300. doi: 10.1038/d41586-017-06024-2.

New York Times Published: April 6, 2009, Radiologist Adds a Human Touch. <https://archive.nytimes.com/www.nytimes.com/2009/04/07/health/07pati.html>

Turner Y, Hadas-Halpern I. The effects of including a patient's photograph to the radiographic examination. Presented at: Radiological Society of North America Scientific Assembly and Annual Meeting; Oak Brook, Illinois; 2008.

https://www.researchgate.net/publication/266118955_The_Effects_of_Including_a_Patient's_Photo_graph_to_the_Radiographic_Examination

Ryan J, Khanda GE, Hibbert R, Duigenan S, Tunis A, Fasih N1, MacDonald B, El-Khoudary M, Kielar A, McInnes M, Virmani V, Ramamurthy N, Kolenko N, Sheikh A. Is a picture worth a thousand words? The effect of viewing patient photographs on radiologist interpretation of CT studies. [J Am Coll Radiol. 2015 Jan;12\(1\):104-7](#). doi: 10.1016/j.jacr.2014.09.028.

2018-9 Einsichten eines Wissenschaftsnarren (13):

Dirnagl U. Räuberische Fachverlage: Veröffentlichen um jeden Preis – [Gastbeitrag im Tagesspiegel. 21.7.2018](#)

Leininger A. Storm in a teacup: predatory journals are irrelevant <http://elephantinthelab.org/storm-in-a-teacup-predatory-journals-are-irrelevant/>

Nellen W. Der „Fake Science-Skandal“ – eine Meinung! <https://www.laborjournal.de/blog/?p=9840>

Pössel M. Abzock-Zeitschriften, Datenauswertung Teil 1: Methoden, Ländervergleich, Gesamtzahl. <https://scilogs.spektrum.de/relativ-einfach/abzock-zeitschriften-den-daten-auf-der-spur/>

Björn Brembs' kritische Analyse der gegenwärtigen OA Initiativen: <http://bjoern.brembs.net/2017/03/please-address-these-concerns-before-we-can-accept-your-oa-proposal/>

Björn Brembs warnt, dass der Königsweg des OA („Goldener OA“) mehr Probleme verursachen könnte, als er löst: <http://bjoern.brembs.net/2016/04/how-gold-open-access-may-make-things-worse/>

SCI-HUB: legal – illegal – scheissegal. Über 40 Millionen Artikel zum Download. Radikal illegaler Open Access. <https://dirnagl.com/?s=sci-hub>

2018-6 Einsichten eines Wissenschaftsnarren (12):

Norris D, Dirnagl U, Zigmond MJ, Thompson-Peer K, Chow TT. Health tips for research groups. [Nature. 2018 May;557\(7705\):302-304](#). doi: 10.1038/d41586-018-05146-5

2018-5 Einsichten eines Wissenschaftsnarren (11):

Fanelli D. Is science really facing a reproducibility crisis, and do we need it to? [Proc Natl Acad Sci U S A. 2018;115:2628-2631](#)

[Fisher, R. A. \(1935\). The design of experiments. Oliver & Boyd Oxford](#)

[Kuhn TS. \(1962\) The structure of scientific revolutions. University of Chicago Press.](#)

[Popper, K. \(1935\) Logik der Forschung. Springer Berlin](#)

2018-4 Einsichten eines Wissenschaftsnarren (10):

Gelman A and Loken E (2013) The garden of forking paths: Why multiple comparisons can be a problem, even when there is no “fishing expedition” or “p-hacking” and the research hypothesis was posited ahead of time. http://www.stat.columbia.edu/~gelman/research/unpublished/p_hacking.pdf

Gelman A and Loken E (2014) The statistical crisis in science. *American Scientist* 102:460-465

de Groot AD (1956) The meaning of “significance” for different types of research [translated and annotated by Eric-Jan Wagenmakers, Denny Borsboom, Josine Verhagen, Rogier Kievit, Marjan Bakker, Angelique Cramer, Dora Matzke, Don Mellenbergh, and Han L. J. van der Maas]. *Acta Psychol* (Amst). 2014 May;148:188-94. doi: 10.1016/j.actpsy.2014.02.001. Epub 2014 Mar 3. <http://www.sciencedirect.com/science/article/pii/S0001691814000304?via%3Dihub>

Yogi Berra: When you come to a fork in the road, take it! <https://quoteinvestigator.com/2013/07/25/fork-road/>

2018-3 Einsichten eines Wissenschaftsnarren (9):

Researchers were disappointed when a clinical trial of a new tuberculosis vaccine failed to show benefit, but should it have gone ahead when animal studies had already raised doubts and what does it mean for future research? Deborah Cohen investigates:

[Cohen D. Oxford vaccine study highlights pick and mix approach to preclinical research. BMJ. 2018 Jan 10;360:j5845. http://www.bmj.com/content/360/bmj.j5845.long](http://www.bmj.com/content/360/bmj.j5845.long)

We must review how we use animal data to underpin clinical trials in humans:

[Macleod M. Learning lessons from MVA85A, a failed booster vaccine for BCG. BMJ. 2018 Jan 10;360:k66. http://www.bmj.com/content/360/bmj.k66.long](http://www.bmj.com/content/360/bmj.k66.long)

Responsible bodies should demand high quality reporting and systematic reviews of animal studies:

[Ritskes-Hoitinga M, Wever K. Improving the conduct, reporting, and appraisal of animal research. BMJ. 2018 Jan 10;360:j4935. http://www.bmj.com/content/360/bmj.j4935.long](http://www.bmj.com/content/360/bmj.j4935.long)

A systematic review of the animal data does not provide evidence to support efficacy of MVA85A as a BCG booster:

[Kashangura R, Sena ES, Young T, Garner P. Effects of MVA85A vaccine on tuberculosis challenge in animals: systematic review. Int J Epidemiol. 2015 Dec;44\(6\):1970-81. https://academic.oup.com/ije/article/44/6/1970/2572503](https://academic.oup.com/ije/article/44/6/1970/2572503)

2018-1 Einsichten eines Wissenschaftsnarren (8):

As always, David Colquhoun brilliantly summarizes the issue in his blog DC's Improbable Science:

Colquhoun D. Placebo effects are weak: regression to the mean is the main reason ineffective treatments appear to work. <http://www.dcsociety.net/2015/12/11/placebo-effects-are-weak-regression-to-the-mean-is-the-main-reason-ineffective-treatments-appear-to-work/>

Highly recommended. Stephen Senn tackles the issue with a historical excursion, and a bit more serious statistics. Contains references to full statistical treatments of regression to the mean:

Senn S (2011) Francis Galton and regression to the mean. *Significance* 8:124-126 <http://onlinelibrary.wiley.com/doi/10.1111/j.1740-9713.2011.00509.x/full>

When the first large Cochrane review was published, concluding that there is little evidence to support the existence of the placebo effect, the *New England Journal* ran this very readable editorial:

Bailar JC (2001) The Powerful Placebo and the Wizard of Oz. N Engl J Med 2001; 344:1630-1632 <http://www.nejm.org/doi/full/10.1056/NEJM200105243442111>

Most recent Cochrane review on placebo interventions:

Hróbjartsson A, Gøtzsche PC (2010) Placebo interventions for all clinical conditions. Cochrane Database Syst Rev. 2010 Jan 20;(1):CD003974. doi: [10.1002/14651858.CD003974.pub3](https://doi.org/10.1002/14651858.CD003974.pub3)

This narrative review present the classic view on placebo effects. The authors use only one citation (to another narrative review by the same authors) to claim the existence of the placebo effect:

‘Moreover, recent clinical research into placebo effects has provided compelling evidence that these effects are genuine biopsychosocial phenomena that represent more than simply spontaneous remission, normal symptom fluctuations, and regression to the mean. ‘

It would have been nice to see reference to evidence from original studies or systematic reviews.

Kaptchuk TJ, Miller FG (2015) Placebo Effects in Medicine. N Engl J Med 2015; 373:8-9 July 2, 2015 <http://www.nejm.org/doi/full/10.1056/NEJMp1504023#t=article>

2017-12 Einsichten eines Wissenschaftsnarren (7):

OPERA collaboration, T. Adam et al., Measurement of the neutrino velocity with the OPERA detector in the CNGS beam, [arXiv:1109.4897v2](https://arxiv.org/abs/1109.4897v2).

Daniel J. Benjamin et al. Redefine statistical significance. [Nat Hum Behav Published 1: 0189. DOI: 10.1038/s41562-017-0189-z](https://doi.org/10.1038/s41562-017-0189-z)

Valentin Amrhein, Sander Greenland. Remove, rather than redefine, statistical significance Nat human behaviour [Nature Human Behaviour. 1: 0224. doi:10.1038/s41562-017-0224-0](https://doi.org/10.1038/s41562-017-0224-0)

2017-11 Einsichten eines Wissenschaftsnarren (6):

Yong, E. The Absurdity of the Nobel Prizes in Science – [The Atlantic](https://www.theatlantic.com/science/archive/2017/11/nobel-prizes-in-science-absurdity/574441/)

Knorr-Cetina, Karin D.: Epistemic Cultures – How the Sciences Make Knowledge. [Cambridge: Harvard University Press, 1999](https://www.cambridge.org/9780521562888)

2017-10 Einsichten eines Wissenschaftsnarren (5):

Kimmelman J, Mogil JS, Dirnagl U. Distinguishing between exploratory and confirmatory preclinical research will improve translation. PLoS Biol. 2014 May 20;12(5):e1001863. doi: [10.1371/journal.pbio.1001863](https://doi.org/10.1371/journal.pbio.1001863). eCollection 2014 May. <http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.1001863>

Mogil JS, Macleod MR. No publication without confirmation. Nature. 2017 Feb 22;542(7642):409-11. doi: [10.1038/542409a](https://doi.org/10.1038/542409a). PMID: 28230138; <https://www.nature.com/news/no-publication-without-confirmation-1.21509>

Bazerman, Shaping Written Knowledge: The Genre and Activity of the Experimental Article in Science: Genre and Activity of Experimental Article in Science, University of Wisconsin Press, 1988. https://wac.colostate.edu/books/bazerman_shaping/shaping.pdf

2017-9 Einsichten eines Wissenschaftsnarren (4)

Der Titel sagt eigentlich alles: Fang, Ferric C., Anthony Bowen, and Arturo Casadevall. 2016. “NIH Peer Review Percentile Scores Are Poorly Predictive of Grant Productivity.” eLife 5 (February). doi: [10.7554/eLife.13323](https://doi.org/10.7554/eLife.13323) . <https://elifesciences.org/articles/13323>

Ein Klassiker der Wissenschaftsgeschichte und -theorie. Nach TS Kuhn schreitet die Evolution von Wissen fort durch „normal science“, unterbrochen durch ‚Paradigmenwechsel‘ (da kommt auch der Begriff her): [Kuhn TS. The structure of scientific revolutions](#). University of Chicago Press. 1962 (50th anniversary edition 2012)

Richard Münch's 500 seitiger Frontalangriff auf Exzellenzinitiative, DFG, usw. Nichts für schwache Nerven: [Münch, R. Die akademische Elite: Zur sozialen Konstruktion wissenschaftlicher Exzellenz](#) (edition suhrkamp 2510). Frankfurt am Main 2007

Eine fundierte Abrechnung mit dem Begriff ‚Excellence‘, vor dem Hintergrund der englischen REF: Stilgoe, Jack. 2014. „Against Excellence.” The Guardian , December 19. <https://www.theguardian.com/science/political-science/2014/dec/19/against-excellence>

2017-6 Einsichten eines Wissenschaftsnarren (3)

Diese beiden Arbeiten beschreiben das System in allen Einzelheiten:

Bollen J, Crandall D, Junk D, Ding Y, Börner K. From funding agencies to scientific agency: Collective allocation of science funding as an alternative to peer review. EMBO Rep. 2014 Feb;15(2):131-3. <http://embor.embopress.org/content/15/2/131>

Diese Arbeit ‘erprobt’ das System zudem in einer Simulation: Bollen, J., Crandall, D., Junk, D. et al. An efficient system to fund science: from proposal review to peer-to-peer distributions Scientometrics (2017) 110: 521. doi:10.1007/s11192-016-2110-3 <https://link.springer.com/article/10.1007%2Fs11192-016-2110-3>

Das schreibt [Retraction Watch](#) zum peer funding: <https://www.evernote.com/shard/s21/nl/2303872/2592c704-d95b-41b6-aba9-00b4565aeab6/> ..

... und dies [Science](#): <http://www.sciencemag.org/news/2017/04/new-system-scientists-never-have-write-grant-application-again>

Und dies kam eben rein (19.9.2017)

[How much would each researcher receive if competitive government research funding were distributed equally among researchers?](#)

‘According to our results, researchers could, on average, maintain current PhD student and Postdoc employment levels, and still have at their disposal a moderate (the U.K.) to considerable (the Netherlands, U.S.) budget for travel and equipment. This suggests that the worry that egalitarian sharing leads to unacceptable dilution of resources is unjustified. Indeed, our results strongly suggest that there is room for far more egalitarian distribution of funds than happens in the highly competitive funding schemes so prevalent today.’

[PLoS ONE 12\(9\): e0183967. https://doi.org/10.1371/journal.pone.0183967](#)

Weitere interessante Arbeiten:

NIH Funding für den Mainstream, innovative Arbeiten werden nicht oder woanders gefördert:

Nicholson JM, Ioannidis JP. Research grants: Conform and be funded. Nature. 2012 Dec 6;492(7427):34-6. <https://www.nature.com/nature/journal/v492/n7427/full/492034a.html>

‘Peer review of grant proposals, far from being a reasonable way of ensuring quality by the allocation of funds, is a near disaster.’: Horrobin DF. Peer review of grant applications: a harbinger for mediocrity in clinical research? Lancet. 1996 Nov 9;348(9037):1293-5 <http://www.sciencedirect.com/science/article/pii/S0140673696080294>

Nicholson, J. M. (2012), Collegiality and careerism trump critical questions and bold new ideas: A student's perspective and solution. Bioessays, 34: 448–450. doi:10.1002/bies.201200001 <http://onlinelibrary.wiley.com/doi/10.1002/bies.201200001/epdf>

Von historischem Interesse: Ein Faksimile von Otto Warburgs 'Forschungsantrag' bei der Notgemeinschaft der Deutschen Wissenschaft (1921). Das waren noch Zeiten! <https://dirnagl.com/?s=warburg>

2017-5 Einsichten eines Wissenschaftsnarren (2):

Ein wunderbarer Vergleich zwischen der ineffizienten Weise, in der wir heute wissenschaftliche Resultate veröffentlichen, und was alles möglich wäre, wenn wir die Möglichkeiten es besser zu machen, nutzen würden (von Romain Brette) : A vision of the post-journal world. <http://romainbrette.fr/a-vision-of-the-post-journal-world/>

Gleich nochmal Romain Brette, mit einfachen Schritten wie in diese wunderbare Welt kommen: <http://romainbrette.fr/my-new-year-resolution-to-help-move-science-to-the-post-journal-world/>

Björn Brembs gibt Tips was man tun kann, wenn man den Zugang zu Journalen verloren hat. Weil die Subskription gekündigt wurde, oder man auf der falschen Seite des Paywalls sitzt. Alles halb so wild...: <http://bjoern.brembs.net/2016/12/so-your-institute-went-cold-turkey-on-publisher-x-what-now/>

Björn Brembs rät, alle Journalsubskriptionen zu kündigen: <http://bjoern.brembs.net/2016/05/why-havent-we-already-canceled-all-subscriptions/>

Björn Brembs' kritische Analyse der gegenwärtigen OA Initiativen: <http://bjoern.brembs.net/2017/03/please-address-these-concerns-before-we-can-accept-your-oa-proposal/>

Björn Brembs warnt, dass der Königsweg des OA („Goldener OA“) mehr Probleme verursachen könnte, als er löst: <http://bjoern.brembs.net/2016/04/how-gold-open-access-may-make-things-worse/>

Und jetzt auch das noch: Björn Brembs, Deutschland's prominentester Open Science Aktivist kündigt frustriert seinen Rückzug an: <http://bjoern.brembs.net/2017/02/open-science-too-much-talk-too-little-action/>

SCI-HUB: legal – illegal – scheissegal. Über 40 Millionen Artikel zum Download. Radikal illegaler Open Access. <https://dirnagl.com/?s=sci-hub>

Oder nicht ganz so umfänglich, dafür legal, und sehr bequem mit Browser Extension: „Skip the paywall“ Get full-text of research papers as you browse, using Unpaywall's index of ten million legal, open-access articles. <http://unpaywall.org/>

The Costs of Flipping our Dollars to Gold. Interview about the Pay It Forward report. The first comprehensive analysis of how a decisive push to Gold OA would impact the cost of publication for major North American research institutions. <https://scholarlykitchen.sspnet.org/2016/08/24/the-costs-of-flipping-our-dollars-to-gold/>

Elsevierleaks: Leaked Elsevier contract reveals pushback: <http://scienceguide.nl/201703/leaked-elsevier-contract-reveals-pushback.aspx>

Thomson-Reuters verkauft den Impact Factor an Venture Kapitalisten: <http://www.marketwatch.com/story/thomson-reuters-announces-definitive-agreement-to-sell-its-intellectual-property-science-business-to-onex-and-baring-asia-for-355-billion-2016-07-11>

PIPredictor – Predict your probability to become a Principal Investigator (PI) <http://pipredictor.com>

Berliner Erklärung zu Open Access. 60% bis 2020!: <https://openaccess.mpg.de/Berliner-Erklärung>

Das BMBF zu OA: <https://www.bmbf.de/de/open-access-das-urheberrecht-muss-der-wissenschaft-dienen-846.html>

Missbrauch der Marktmacht. TAZ Artikel zum DEAL Konsortium und Elsevier: <http://www.taz.de/!5370972/>

Auch lesenswert:

Brembs B, Button K, Munafò M. Deep impact: unintended consequences of journal rank. *Front Hum Neurosci*. 2013 Jun 24;7:291. <http://journal.frontiersin.org/article/10.3389/fnhum.2013.00291/full>

Kriegeskorte N, Walther A, Deca D. *An emerging consensus for open evaluation: 18 visions for the future of scientific publishing*. *Front Comput Neurosci*. 2012 Nov 15;6:94. <http://journal.frontiersin.org/article/10.3389/fncom.2012.00094/full>

Khan R, Goodman L, Mittelman D. *Dragging scientific publishing into the 21st century*. *Genome Biol*. 2014 Dec 11;15(12):556. <https://genomebiology.biomedcentral.com/articles/10.1186/s13059-014-0556-2>

2017-4 Einsichten eines Wissenschaftsnarren (1):

Baker M. 1,500 scientists lift the lid on reproducibility. *Nature*. 2016 May 26;533(7604):452-4. [doi: 10.1038/533452a](https://doi.org/10.1038/533452a)

Button KS, Ioannidis JP, Mokrysz C, Nosek BA, Flint J, Robinson ES, Munafò MR. Power failure: why small sample size undermines the reliability of neuroscience. *Nat Rev Neurosci*. 2013 May;14(5):365-76. [doi: 10.1038/nrn3475](https://doi.org/10.1038/nrn3475)

Button KS. Statistical Rigor and the Perils of Chance. *eNeuro*. 2016 Jul 14;3(4). pii: ENEURO.0030-16.2016. [doi: 10.1523/ENEURO.0030-16.2016](https://doi.org/10.1523/ENEURO.0030-16.2016).

Dirnagl U. Sind die meisten Forschungsergebnisse tatsächlich falsch? *Laborjournal* 2014 7/8:38-41

Goodman SN, Fanelli D, Ioannidis JP. What does research reproducibility mean? *Sci Transl Med*. 2016 Jun 1;8(341):341ps12. [doi: 10.1126/scitranslmed.aaf5027](https://doi.org/10.1126/scitranslmed.aaf5027)

Ioannidis JP. Why most published research findings are false. *PLoS Med*. 2005 Aug;2(8):e124.

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