

CURRICULUM VITAE, LARS FOLKOW (short version)

Date & place of birth	12 September 1960, Göteborg, Sverige
Nationality	Swedish
Profession	Professor of Animal Physiology
Sex	Male
Marital status	Married, three children (b. 1985, 1990 and 1997)
Present address	Home: Skavstien 68, N-9102 Kvaløysletta, Telephone: +47-90155626 Work: Department of Arctic and Marine Biology (AMB), University of Tromsø – the Arctic University of Norway, Breivika (UiT), N-9037 Tromsø. Phone: +47-776-44792, email: lars.folkow@uit.no
URL for web site	https://uit.no/ansatte/person?p_document_id=41892

UNIVERSITY EDUCATION

- 1982-1992 **University of Tromsø, Norway:** **1) Cand. mag.** (B.Sc.) 1983; **2) Cand. scient.** (M.Sc.) 1985. Thesis: *Partition of heat loss in resting and exercising winter and summer insulated reindeer*. Supervisor: Dr. James B. Mercer; **3) Dr. philos.** (Ph.D.) 1992. Thesis: *Aspects of thermoregulation in terrestrial and aquatic Arctic mammals*. Supervisor: Dr. A.S. Blix.
- 1980-1982 **University of Göteborg, Sweden:** Undergraduate studies (chemistry, biology)

EMPLOYMENTS

- 1999-date Professor of Animal Physiology, DAB/AMB, UiT. Head of research group since 2005
- 1994-1999 Førsteamanuensis (associate professor) DAB, UiT, 5 years.
- 1989-1993 Forsker-NFFR (Norwegian Fisheries Research Council). Research scientist in the Sea Mammal Research Programme, at DAB, UiT; 5 years.
- 1986-1988 Dr.scient.-stipendiat, NAVF (Norwegian Research Council for Science and the Humanities). Doctoral research scientist, Dept. of Arctic Biology (DAB), UiT; **3 years**.

TEACHING

Lecturer in Nerve and Muscle Physiology, Excretion, Temperature regulation, Metabolism/Locomotion, Circulation, Respiration (1986-date) and in Animal Experimentation for Researchers (2012-date), all at UiT.

MAIN RESEARCH INTERESTS

- Adaptations to hypoxia in diving mammals/birds – neurophysiology, cardiovascular physiology
- Thermoregulatory adaptations and energetics of polar homeotherms

RESEARCH STUDENT SUPERVISION

- 1) M.Sc. or equivalent: 28 students with completed exams.
- 2) Ph.D. or equivalent: 5 students with completed exams.

FIELD RESEARCH/EXPEDITIONS

Leader/participant of 39 field research expedition (~865 field days in total) in arctic/subarctic regions (Svalbard, Northwest Russia, Finnmark (northern Norway), the Norwegian, Greenland, White and Barents Seas), for field studies of reindeer, ptarmigan, arctic foxes, sea birds, arctic seals and minke whales.

FELLOWSHIPS/AWARDS/GRANTS

- 2021-date Partner in the Arctic Seasonal Time-keeping Initiative (ASTI), funded by UiT – the Arctic University of Norway (<https://uit.no/research/asti>)
- 2013-2019 Tromsø Science Foundation: Funding of project entitled “The energy efficiency of mechanisms for respiratory heat and water exchange in arctic mammals”

- 2016-2017 Råstofstyrelsen" Denmark/Greenland and Greenland Institute of Natural Resources (GINR):. Funding of project entitled "Tagging of harp seal pups in the Greenland Sea" (US \$ 330.000.). Project leader: Dr. Aqqalu Rosing-Asvid, GINR, Nuuk, Greenland.
- 2014-2016 Norwegian Research Council (NFR): Funding of project entitled "COEXIST – Condition and energy expenditure estimates from free-ranging marine mammals". Project leader: Dr. Martin Biuw, AkvaplanNIVA, Tromsø.
- 2008-2010 Biotechnology and Biological Sciences Research Council (BBSRC) UK. Funding of collaborative research a) University College of London; b) University of Manchester
- 2005-2007 Norwegian Research Council (NFR):. Funding of project entitled "Neuronal mechanisms conveying hypoxic tolerance to diving birds and mammals
- 1997-2000 Norwegian Reindeer Research Council (RFR):. Funding of project concerning effects of predators on activity levels in reindeer herds in northern Norway
- 1995-1997 Norwegian Research Council (NFR):. Funding of two collaborative projects with scientists from Eastern Europe (Russia and Poland) under the Program for Cooperation with Eastern Europe
- 1994-1997 Norwegian Research Council (NFR):. Funding of two research positions, and running expenses in connection with research projects, under the Marine Resource Management Program ("Marin Ressursforvaltning")
- 1989-1993 Norwegian Fisheries Research Council (NFFR):. Funding of three research positions and running expenses in connection with three different research projects under the Norwegian Marine Mammal Research Program ("Sjøpattedyrprogrammet")
- 1986-1988 Norwegian Research Council for Science and the Humanities (NAVF):. Ph.D. scholarship
- 1989-date Numerous smaller funds (10,000 – 70,000 NOK), various sources (e.g., the Roald Amundsen Centre at the University of Tromsø, the Nansen Foundation).

RESPONSIBILITIES/COMMISSIONS OF TRUST

- 1998-date Member of PhD evaluation committees and 1st opponent in PhD theses/dissertations: (Kristin Bergersen, UiO (1998) Inger Helene Nådland, UiO (2012); Angelica Lodin-Sundström, Mid Sweden University (2015); Mariana Leivas Müller-Hoff, University of Hamburg (2016), Mark Adam Scott, UiO (2018), Øysvind Pernell Haugen, UiO (2021)
- 2009-date Member of Expert group to evaluate progress and needs within marine mammal research in Norway ("Sjøpattedyrutvalget").
- 2004-date Approved "competent person" for animal research facility at Department of Arctic Biology, University of Tromsø; from 1.7.2015 (with new legislation): "person with special responsibility" for management of the animal research facility. The facility is currently approved for holding of reindeer, various species of seals, Svalbard ptarmigan.
- 2021-date Member of the Board of Faculty of Biosciences, Fisheries and Economy, UiT
- 2019-2021 Member of the Board of Department of Arctic and Marine Biology, BFE, UiT
- 1997-2018 Member of the Board of "Kong Haakon 7des Utdannelsesfond for Norsk Ungdom" 2017-2018 Member of evaluation committee for employment of new Head of Department of Arctic and Marine Biology, UiT.
- 2017 Chairman of evaluation committee for assessment of professor competence of employee at Norwegian University of Science and Technology (NTNU), Faculty of Medicine
- 2009-2015 Member of the National Animal Research Authority (NARA) of Norway ("Forsøksdyrutvalget", FDU).
- 2006-2011 Member of a committee for coordination of studies at the The University courses on Svalbard (UNIS). Deputy member 2006-2009.
- 2009-2011 Member of the Scientific Committee of the Scandinavian Physiological Society meeting in Bergen, 12-14 August 2011.
- 2003-2010 Member of "Expert group on effects of sonar signals on marine life", the Norwegian Defense Research Establishment ("Ekspertgruppen for vurdering av sonareffekter på marint liv", Forsvarets Forskningsinstitutt (FFI).

- 2002-2009 Member of group planning and initiating a M.Sc. study in "Arktisk Naturbruk og Landbruk"; deputy member of the study steering committee, at the University of Tromsø.
- 2006-2009 Member of the Program Committee for an international "Conference on Imaging in Neuroscience", held at the University of Tromsø April 26-27, 2007 and Sept. 10-11 2009.
- 2007, 2009 Member of ad hoc expert groups on sealing and animal welfare; North Atlantic Marine Mammal Commission.
- 2002-2008 Member of the Board of the Institute of Medical Biology ("Instituttstyret, IMB")
- 2007 Member of ad hoc expert committee to evaluate present "Scientific opinion on animal welfare aspects of the killing and skinning seals in the Norwegian seal hunt"; Norwegian Scientific Committee for Food Safety.
- 2004-2007 Member of the steering committee for the Norwegian Research Council (NFR) research program for "Physiological and anatomical research" ("Fagkomite for fysiologiske og anatomiske fag", FRIBIOFYS)
- 1993-2005 Member of the Board of the Roald Amundsen Centre for Arctic Research, University of Tromsø
- 2003-2005 Member of the Norwegian national committee for the planning of scientific activities in connection with the "International Polar Year (IPY) 2007/2008"
- 1996-2002 Member of the steering committee for the Norwegian Research Council (NFR) Arctic research program "Arktisk Lys og Varme" ("Arctic light and heat")
- 2000-2002 Chairman of the Board of Karveslettia Foreldrelagsbarnehage (kindergarden), Kvaløysletta
- 1995-2000 Member of "Nasjonalt fagråd i biologi" ("National Council for Biology")
- 1996-1999 Member of the Scientific Committee of the North Atlantic Marine Mammal Commission
- 1994-1998 Member of a working group for planning of courses in Arctic Biology at the The University courses on Svalbard (UNIS)
- 1994-1996 Member of a committee for coordination of studies at the The University courses on Svalbard (UNIS). Deputy member 2006-2009.
- 1983-1985 Member of the Board of the Institute of Medical Biology ("Instituttstyret, IMB")
- 1983-1987 Member of the Council of the Institute of Medical Biology ("Instituttrådet, IMB")

PUBLICATIONS: 109 peer-reviewed publications; full publication record:

https://scholar.google.com/citations?hl=en&user=H_oBMGsAAAAJ&view_op=list_works&sortby=pubdate
<https://wo.cristin.no/as/WebObjects/cristin.woa/wa/fres?sort=ar&pnr=59237&la=no&action=sok>

Publications 2012-2022

- Grecian W.J., G.B. Stenson, M. Biuw, L. Boehme, **L.P. Folkow**, P.J. Goulet, I.D. Jonsen, A. Malde, E.S. Nordøy, A. Rosing-Asvid & S. Smout. 2022. Environmental drivers of population-level variation in the migratory and diving ontogeny of an Arctic top predator. *R. Soc. Open Sci.* 9: 211042
<https://doi.org/10.1098/rsos.211042>
- Hamilton, C.D., C. Lydersen, J. Aars, M. Acquarone, T. Atwood, A. Baylis, M. Biuw, A.N. Boltunov, E.W. Born, P. Boveng, T.M. Brown, M. Cameron, J. Citta, J. Crawford, R. Dietz, J. Elias, S.H. Ferguson, A. Fisk, **L.P. Folkow**, K.J. Frost, D.M. Glazov, S.M. Granquist, R. Gryba, L. Harwood, T. Haug, M.P. Heide-Jørgensen, N.E. Hussey, J. Kalinek, K.L. Laidre, D.I. Liovka, J.M. London, L.L. Loseto, S. MacPhee, M. Marcoux, C.J.D. Matthews, K. Nilssen, E.S. Nordøy, G. O'Corry-Crowe, N. Øien, M.T. Olsen, L. Quakenbush, A. Rosing-Asvid, V. Semenova, K.E. Shelden, O.V. Shpak, G. Stenson, L. Storrie, S. Sveegaard, J. Teilmann, F. Ugarte, A.L. Von Duyke, C. Watt, Ø. Wiig, R.R. Wilson, D.J. Yurkowski & K.M. Kovacs. 2022. Marine mammal hotspots across the circumpolar Arctic. *Diversity and Distribution* 00:1-25 <https://doi.org/10.1111/ddi.13543>
- Geßner, C., A. Krüger, **L.P. Folkow**, W. Fehrlé, B. Mikkelsen & T. Burmester. 2022. Transcriptomes suggest that pinniped and cetacean brains have a high capacity for aerobic metabolism while reducing energy-intensive processes such as synaptic transmission. *Front Mol Neurosci* 15: Article 877349
<https://doi.org/10.3389/fnmol.2022.877349>

- Mármol-Guijarro, A., R. Nudds, **L.P. Folkow**, W. Sellers, P. Falkingham & J. Codd. 2021. The influence of snow properties on speed and gait choice in the Svalbard rock ptarmigan (*Lagopus muta hyperborea*). *Integrative Organismal Biology*, 3 (1): 1-11, <https://doi.org/10.1093/iob/obab021>
- Hamilton, C.D., C. Lydersen, J. Aars, M. Biuw, A.N. Boltunov, E.W. Born, R. Dietz, **L.P. Folkow**, D.M. Glazov, T. Haug, M.P. Heide-Jørgensen, L.E. Kettner, K.L. Laidre, N. Øien, E.S. Nordøy, A.H. Rikardsen, A. Rosing-Asvid, V. Semenova, O.V. Shpak, S. Sveegaard, F. Ugarte, Ø. Wiig & K.M. Kovacs. 2021. Marine mammal hotspots in the Greenland and Barents Seas. *Mar Ecol Prog Ser* 659: 3-28 <https://doi.org/10.3354/meps13584>
- Mármol-Guijarro, A., R. Nudds, **L.P. Folkow**, J. Lees & J.R. Codd. 2021. Does posture explain the kinematic differences in a grounded running gait between male and female Svalbard rock ptarmigan (*Lagopus muta hyperborea*) moving on snow? *Polar Biol* 44: 1141-1152 <https://doi.org/10.1007/s00300-021-02872-x>
- Gessner C., M.N. Stillger, N. Mölders, A. Fabrizius, **L.P. Folkow** & T. Burmester. 2020. Cell culture experiments reveal that high S100B and clusterin levels may convey hypoxia tolerance to the hooded seal (*Cystophora cristata*) brain. *Neuroscience* 451: 226-239. <https://doi.org/10.1016/j.neuroscience.2020.09.039>
- Solberg, S.B.B., S. Kjelstrup, E. Magnanelli, N. Kizilova, I.L. Casado Barroso, M. Acquarone & **L.P. Folkow**. 2020. Energy efficiency of respiration in mature and newborn reindeer. *J Comp. Physiol. B* <https://doi.org/10.1007/s00360-020-01284-3>
- Mármol-Guijarro, A., R. Nudds, **L. Folkow** & J. Codd. 2020. Examining the accuracy of trackways for predicting gait selection and speed of locomotion. *Frontiers in Zoology* 17:17 <https://doi.org/10.1186/s12983-020-00363-z>
- Nord, A., A. Hegemann & **L.P. Folkow**. 2020. Reduced immune responsiveness contributes to winter energy conservation in an Arctic bird. *J. Exp. Biol.* 223: jeb219287 <https://doi.org/10.1242/jeb.219287> <https://hdl.handle.net/10037/20185>
- Krüger, A., A. Fabrizius, B. Mikkelsen, U. Siebert, **L.P. Folkow** & T. Burmester. 2020. Transcriptome analysis reveals a high aerobic capacity in the whale brain. *Comp. Biochem. Physiol. A* 240:110593 <https://doi.org/10.1016/j.cbpa.2019.110593>
- Nymo, I.H., R.K. Davidson, M. Gilhuus, K. Holmgren, T. Mørk, H. Lian, R. Thorvaldsen, H.A. Solvang, **L. Folkow** & M. Tryland. 2019. Egglederbetennelse hos Svalbardryper i fangenskap. *Norsk Veterinærtidsskrift* 131(7):444-445
- Marmol-Guijarro, A., R. Nudds, J. Marrin, **L.P. Folkow** & J. Codd. 2019. Terrestrial locomotion of the Svalbard rock ptarmigan: comparing field and treadmill studies. *Scientific Reports* 9:11451 <https://doi.org/10.1038/s41598-019-47989-6>
- Nord, A. & **L.P. Folkow**. 2019. Ambient temperature effects on stress-induced hyperthermia in Svalbard ptarmigan. *Biology Open* 8, bio043497 <https://doi.org/10.1242/bio.043497>
- Hansen, K.K., M.A. Sundset, **L.P. Folkow**, M. Nilsen & S.D. Mathiesen. 2018. Enteric methane emissions are lower from reindeer fed lichens compared to a concentrate feed. *Polar Research*. 37: 1505396 <https://doi.org/10.1080/17518369.2018.1505396>
- Blanchet, M.-A., M. Acquarone, M. Biuw, R. Larsen, E.S. Nordøy & **L.P. Folkow**. 2018. A life after research? First release of harp seals (*Phoca groenlandica*) after temporary captivity for scientific purposes. *Aquat. Mamm.* 44(4): 343-356 <https://doi.org/10.1578/AM.44.4.2018.343>
- Nord, A. & **L.P. Folkow**. 2018. Seasonal variation in the thermal responses to changing environmental temperature in the world's northernmost land bird. *J. Exp. Biol.* 221: <https://doi.org/10.1242/jeb.171124>
- Desforges, J.-P., M. Levin, L. Jasperse, S. De Guise, I. Eulaers, R.J. Letcher, M. Acquarone, E.S. Nordøy, L. Erling Sverre; **L.P. Folkow**, T.H. Jensen, C. Grøndahl, M.F. Bertelsen, J. St. Leger, J. Almunia, C. Sonne, R. Dietz. 2017. Effects of polar bear and killer whale derived contaminant cocktails on marine mammal immunity. *Environ. Sci. Technol.* 2017, 51, 11431–11439, <https://doi.org/10.1021/acs.est.7b03532>
- Folkow, L.P.** & A.S. Blix. 2017. On the importance of understanding physiology when estimating energetics in cetaceans. *Biology Open* 6: 306-308
- Hoff, M.L.M., A. Fabrizius, N.U. Czech-Damal, **L.P. Folkow** & T. Burmester. 2017. Transcriptome analysis identifies key metabolic changes in the hooded seal (*Cystophora cristata*) brain in response to hypoxia and reoxygenation. *PLoS ONE* 12(1):e0169366. <https://doi.org/10.1371/journal.pone.0169366>

- Mangnanelli, E., Ø. Wilhelmsen, M. Acquarone, **L.P. Folkow**, S. Kjelstrup. 2016. The nasal geometry of the reindeer gives energy-efficient respiration. *J. Non-Equilib. Thermodyn.* 42:59-78, <https://doi.org/10.1515/jnet-2016-0038>
- Geiseler, S.J., J. Larson, **L.P. Folkow**. 2016. Synaptic transmission despite severe hypoxia in hippocampal slices of the deep-diving hooded seal. *Neuroscience* 334: 39-46. <http://dx.doi.org/10.1016/j.neuroscience.2016.07.034>
- Fabrizius, A., M.L.M. Hoff, **L. Folkow** & T. Burmester. 2016. When the brain goes diving: A comparative transcriptome approach indicates a reduced aerobic energy metabolism and high levels of stress proteins in the hooded seal brain. *BMC Genomics*. 17:583 <https://doi.org/10.1186/s12864-016-2892-y>
- Hoff, M.L.M., A. Fabrizio, **L.P. Folkow** & T. Burmester. 2016. An atypical distribution of lactate dehydrogenase isoenzymes in the hooded seal (*Cystophora cristata*) brain may reflect a biochemical adaptation to diving. *J. Comp. Physiol. B*. 186:373-386. <https://doi.org/10.1007/s00360-015-0956-y>
- Wohlert, D., J. Kröger, M. Witt, O. Schmitt, A. Wree, N. Czech-Damal, U. Siebert, U., **L. Folkow** & F. Hanke. 2016. A comparative morphometric analysis of three cranial nerves in two phocids: The hooded seal (*Cystophora cristata*) and the harbor seal (*Phoca vitulina*). *Anat. Rec.* 299:370-378. <https://doi.org/10.1002/ar.23298>
- Hogg C, M. Neveu, **L. Folkow**, K.-A. Stokkan, J. H. Kam, R. H. Douglas & G. Jeffery. 2015. The eyes of the deep diving hooded seal (*Cystophora cristata*) enhance sensitivity to ultraviolet light. *Biol. Open* 4: 812-818 <https://doi.org/10.1242/bio.011304>
- Geiseler, S.J., S. Ludvigsen & **L.P. Folkow**. 2015. KATP-channels play a minor role in the protective hypoxic shut-down of cerebellar activity in eider ducks (*Somateria mollissima*). *Neuroscience* 284: 751-758 <https://doi.org/10.1016/j.neuroscience.2014.10.046>
- Czech-Damal, N.U., S.J. Geiseler, M.L.M. Hoff, R. Schliep, J.-M. Ramirez, **L. Folkow** & T. Burmester. 2014. The role of glycogen, glucose and lactate in neuronal activity during hypoxia in the hooded seal (*Cystophora cristata*) brain. *Neuroscience* 275: 374-383. <http://dx.doi.org/10.1016/j.neuroscience.2014.06.024>
- Lees, J.J., **L.P. Folkow**, J.R. Codd & R.L. Nudds. 2014. Seasonal differences in jump performance in the Svalbard rock ptarmigan (*Lagopus muta hyperborea*). *Biol. Open* 3:233-239. <https://doi.org/10.1242/bio.20147930>
- Lees, J.J., **L.P. Folkow**, R.L. Nudds & J.R. Codd. 2014. The effect of season and sex upon the morphology and material properties of keratin in the Svalbard rock ptarmigan (*Lagopus muta hyperborea*). *J. Thermal Biol.* 44:126-130. <http://dx.doi.org/10.1016/j.jtherbio.2014.01.002>
- Larson, J., K.L. Drew, **L.P. Folkow**, S.L. Milton & T.J. Park. 2014. No oxygen? No problem! Intrinsic brain tolerance to hypoxia in vertebrates. *J. Exp. Biol.* 217:1024-1039
- Stokkan, K.-A., **L. Folkow**, J. Dukes, M. Neveu, C. Hogg, S. Siefken, S. Dakin & G. Jeffery. 2013. Shifting mirrors: adaptive changes in retinal reflections to winter darkness in Arctic reindeer. *Proc. R. Soc. B*. 280: 20132451. <http://dx.doi.org/10.1098/rspb.2013.2451> . This paper was highlighted in several internet and paper publications (listings 78a-b and many more):
- Yong, E. 2013. Why are reindeer eyes golden in summer but blue in winter? <http://phenomena.nationalgeographic.com/2013/10/29/why-are-reindeer-eyes-golden-in-summer-but-blue-in-winter/>
 - Anon. 2013. Winter in der Arktis: Rentiere erhöhen Lichtempfindlichkeit ihrer Augen. <http://www.spiegel.de/wissenschaft/natur/winter-in-der-arktis-rentiere-erhoehen-lichtempfindlichkeit-der-augen-a-930781.html>
 - Anon. 2013. Seasonal shift for reindeer eyes. *Nature* 503: 8 (07 November 2013) doi:10.1038/503008c http://www.nature.com/nature/journal/v503/n7474/full/503008c.html?WT.ec_id=NATURE-20131107
- Præsteng, K.E., P.B. Pope, I.K.O. Cann, R.I. Mackie, S.D. Mathiesen, **L.P. Folkow**, V.G.H. Eljstink & M.A. Sundset. 2013. Probiotic dosing of *Ruminococcus flavefaciens* affects rumen microbiome structure and function in reindeer. *Microb Ecol.* 66:840-849
- Geiseler, S.J., A.S. Blix, J.M. Burns & **L.P. Folkow**. 2013. Rapid postnatal development of myoglobin from large liver iron stores in hooded seals. *J. Exp. Biol.* 216: 1793-1798
- Lees, J., **L. Folkow**, K.-A. Stokkan & J. Codd. 2013. The metabolic cost of incline locomotion in the Svalbard rock ptarmigan (*Lagopus muta hyperborea*): the effects of incline grade and seasonal fluctuations in body mass. *J. Exp. Biol.* 216:1355-1363
- Blix, A.S., **L.P. Folkow** & E.S. Nordøy. 2013. Changing the look on seals from pole to pole with satellite technology. In (eds: C. Verde and G. di Prisco): *From Pole to Pole, Vol. 2 Adaptation and Evolution in*

Marine Environments, Part III , Ch. 7, pp. 113-126, Springer-Verlag, Berlin Heidelberg. ISBN 978-3-642-27348-3, <https://doi.org/10.1007/978-3-642-27349-0>

Ince, C., A.-M. van Kuijen, D.M.J. Milstein, K. Yuruk, **L.P. Folkow**, W.J. Fokkens & A. S. Blix. 2012. Why Rudolph's nose is red. British Medical Journal (BMJ2012;345:e8311 <https://doi.org/10.1136/bmj.e8311>). This paper was highlighted in several internet and paper publications (listings 73a-d and many more):

- a) Hegtun, H. 2012. Årsaken til Rudolfs røde nese er funnet. <http://www.aftenposten.no/nyheter/iriks/Arsaken-til-Rudolfs-rode-nese-er-funnet-7074021.html>
- b) Lallanilla, M. 2012. Scientists unravel the secret behind Rudolph's red nose. http://www.msnbc.msn.com/id/50290451/ns/technology_and_science-science/t/scientists-unravel-secret-behind-rudolfs-red-nose/
- c) Kooser, A. 2012. Science explains Rudolph's red reindeer nose. http://news.cnet.com/8301-17938_105-57559872-1/science-explains-rudolfs-red-reindeer-nose/
- d) Altman, L.K. 2012. Journal Offers Dose of Fun for Holiday. <http://www.nytimes.com/2012/12/18/science/bmjs-holiday-tradition-of-lighthearted-but-rigorous-scholarship.html?pagewanted=2&r=1&partner=rss&emc=rss&pagewanted=all&>

Schneuer, M., S. Flachsbarth, N.U. Czech-Damal, **L.P. Folkow**, U. Siebert & T. Burmester. 2012. Neuroglobin of seals and whales: Evidence for a divergent role in the diving brain. Neuroscience 223: 35-44.

Lees, J.J., R.L. Nudds, **L.P. Folkow**, K.-A. Stokkan & J.R. Codd. 2012. Understanding sex differences in the cost of terrestrial locomotion. Proc. R. Soc. B. 279: 826-832.

Lees, J.J., K.-A. Stokkan, **L.P. Folkow** & J.R. Codd. 2012. Locomotor development in the Svalbard rock ptarmigan (*Lagopus muta hyperborea*). Polar Biol. 35:867-874.