

Publications

One-to-one innervation of vocal muscles allows precise control of birdsong

Adam, I., Maxwell, A., Rößler, H., Hansen, E. B., Vellema, M., Brewer, J. & Elemans, C. P. H., 26. Jul 2021, In: *Current Biology*. 31, 14, p. 3115-3124

How Loud Can you go? Physical and Physiological Constraints to Producing High Sound Pressures in Animal Vocalizations

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Syringeal vocal folds do not have a voice in zebra finch vocal development

Maxwell, A., Adam, I., Larsen, P. S., Sørensen, P. G. & Elemans, C. P. H., 19. Mar 2021, In: *Scientific Reports*. 11, 18 p., 6469.

Increasing Muscle Speed Drives Changes in the Neuromuscular Transform of Motor Commands during Postnatal Development in Songbirds

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Jiang, W., Rasmussen, J. H., Xue, Q., Ding, M., Zheng, X. & Elemans, C. P. H., 3. Mar 2020, In: *Proceedings of the National Academy of Sciences of the United States of America*. 117, 9, p. 4718-4723 6 p.

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Smith, S. K., Hakansson, J., Frazel, P. W., Long, M. A., Elemans, C. P. H. & Phelps, S. M., 1. Mar 2020, In: *Integrative and Comparative Biology*. 60, Suppl. 1, p. E420 1 p.

One-to-one innervation of vocal muscles allows precise control of birdsong

Adam, I., Maxwell, A., Rössler, H., Hansen, E. B., Vellema, M. & Elemans, C. P. H., 11. Jan 2020, 15 p. bioRxiv.

Vocal Motor Performance in Birdsong Requires Brain-Body Interaction

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Quantifying syringeal dynamics in vitro using electroglottography

Rasmussen, J. H., Herbst, C. T. & Elemans, C. P. H., 23. Aug 2018, In: *The Journal of Experimental Biology*. 221, 16, p. 1-12

High-fidelity fluid-structure interaction modeling of bird vocalization in syrinx

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The last common ancestor of animals lacked the HIF pathway and respired in low-oxygen environments

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Superfast muscles are devoid of glycogen particles in the intramyofibrillar space

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Superfast muscles are devoid of glycogen particles in the intramyofibrillar space

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Press clippings

And forbløffer forskere ved at imitere bandeord og lyden af smækkende dør

Coen Elemans

28/09/2021

1 Media contribution

Australsk and forbløffer forskere ved at imitere bandeord og lyden af en dør, der smækker

Coen Elemans

28/09/2021

1 Media contribution

DR1 TV Avisen 18.30

Coen Elemans

09/10/2019

1 Media contribution

Forvildet hval gav unikke forskningsmuligheder

Coen Elemans

21/12/2018

1 Media contribution

Fugle og mennesker synger på samme måde

Coen Elemans

30/12/2015

1 item of Media coverage

Hør selv! And har lært at imitere bandeord og en smækkende dør

Coen Elemans

27/09/2021

1 Media contribution

HUGORMEN ER VÅGNET

Coen Elemans

25/04/2021

1 Media contribution

Hvalens strubehoved til SDU

Coen Elemans

13/12/2018

1 Media contribution

Kan man lave lyd med en død hval? Pukkelhvalen fra Skagen skæres op

Coen Elemans

09/10/2019

1 Media contribution

Kontrolleret fuglesang

Coen Elemans

18/08/2021

1 Media contribution

mice sing

Coen Elemans

10/10/2016

1 item of Media coverage

Mus synger deres kærlighedssange i ultralyd

Coen Elemans

04/11/2016

1 item of Media coverage

Nu bliver sejhvalen skåret op - én ting springer i øjnene

Coen Elemans

11/12/2018

1 Media contribution

Ny opdagelse: Fugle og mennesker synger på samme måde

Coen Elemans

29/11/2015

1 item of Media coverage

Pas godt på hugormen, den er vågnet

Coen Elemans

24/04/2021

1 Media contribution

PRM / Sangfugle og computermodeller skal skabe øget forståelse af, hvordan mennesker producerer stemme og udvikler tale

Coen Elemans

18/02/2021

1 Media contribution

PRM / Sangfugle udviser ekstrem muskelkontrol, når de skal synge for hinanden (og dig)

Coen Elemans

04/06/2021

1 Media contribution

PRM / Sangfugle udviser ekstrem muskelkontrol, når de skal synge for hinanden (og dig)

Coen Elemans

04/06/2021

1 Media contribution

Pukkelhvalen fra Skagen skæres op

Coen Elemans

10/10/2019

1 Media contribution

Rivaler undlader at dræbe hinanden - de strækker bare hals

Coen Elemans

21/06/2015

1 item of Media coverage

Sangfugle og computermodeller skal skabe øget forståelse af, hvordan mennesker producerer stemme og udvikler tale

Coen Elemans

18/02/2021

1 Media contribution

Sangfugle synger på ekstrem muskelkontrol

Coen Elemans

16/06/2021

1 Media contribution

Sangfugle udviser ekstrem muskelkontrol

Coen Elemans

07/06/2021

1 Media contribution

Sangfugle udviser ekstrem muskelkontrol, når de skal synge for hinanden (og dig)

Coen Elemans

06/06/2021

1 Media contribution

Sangfugle udviser ekstrem muskelkontrol, når de skal synge for hinanden (og dig)

Coen Elemans

04/06/2021

1 Media contribution

Sejhvalen skåret op - nu kender vi kønnet

Coen Elemans

11/12/2018

1 Media contribution