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## Publikationer

### **Sexual dimorphism in chimpanzee (*Pan troglodytes schweinfurthii*) and human age-specific fertility**

Muller, M. N., Blurton Jones, N. G., Colchero, F., Thompson, M. E., Enigk, D. K., Feldblum, J. T., Hahn, B. H., Langergraber, K. E., Scully, E. J., Vigilant, L., Walker, K. K., Wrangham, R. W., Wroblewski, E. E. & Pusey, A. E., jul. 2020, I : *Journal of Human Evolution*. 144, s. 102795-102806.

### **Sex differences in adult lifespan and aging rates of mortality across wild mammals**

Lemaître, J-F., Ronget, V., Tidière, M., Allainé, D., Berger, V., Cohas, A., Colchero, F., Conde, D. A., Garratt, M., Liker, A., Marais, G. A. B., Scheuerlein, A., Székely, T. & Gaillard, J-M., 14. apr. 2020, I : *Proceedings of the National Academy of Sciences of the United States of America*. 117, 15, s. 8546-8553

### **Beyond the proportional frailty model: Bayesian estimation of individual heterogeneity on mortality parameters**

Colchero, F. & Kiyakoglu, B. Y., jan. 2020, I : *Biometrical Journal*. 62, 1, s. 124-135

### **Performance of generation time approximations for extinction risk assessments**

Staerk, J., Conde, D. A., Ronget, V., Lemaître, J. F., Gaillard, J. M. & Colchero, F., 1. jun. 2019, I : *Journal of Applied Ecology*. 56, 6, s. 1436-1446

### **Data gaps and opportunities for comparative and conservation biology**

Conde, D. A., Staerk, J., Colchero, F., da Silva, R., Schöley, J., Baden, H. M., Jouvett, L., Fa, J. E., Syed, H., Jongejans, E., Meiri, S., Gaillard, J-M., Chamberlain, S., Wilcken, J., Jones, O. R., Dahlgren, J. P., Steiner, U. K., Bland, L. M., Gomez-Mestre, I., Lebreton, J-D. & 13 flere, González Vargas, J., Flesness, N., Canudas-Romo, V., Salguero-Gómez, R., Byers, O., Berg, T. B., Scheuerlein, A., Devillard, S., Schigel, D. S., Ryder, O. A., Possingham, H. P., Baudisch, A. & Vaupel, J. W., 7. maj 2019, I : *Proceedings of the National Academy of Sciences of the United States of America*. 116, 19, s. 9658-9664

### **The diversity of population responses to environmental change**

Colchero, F., Jones, O. R., Conde, D. A., Hodgson, D., Zajitschek, F., Schmidt, B. R., Malo, A. F., Alberts, S. C., Becker, P. H., Bouwhuis, S., Bronikowski, A. M., De Vleeschouwer, K. M., Delahay, R. J., Dummermuth, S., Fernández-Duque, E., Frisenvaenge, J., Hesselsoe, M., Larson, S., Lemaître, J-F., McDonald, J. & 12 flere, Miller, D. A. W., O'Donnell, C., Packer, C., Raboy, B. E., Reading, C. J., Wapstra, E., Weimerskirch, H., While, G. M., Baudisch, A., Flatt, T., Coulson, T. & Gaillard, J-M., feb. 2019, I : *Ecology Letters*. 22, 2, s. 342-353

### **Better the devil you know: common terns stay with a previous partner although pair bond duration does not affect breeding output**

Rebke, M., Becker, P. H. & Colchero, F., 2017, I : *Royal Society of London. Proceedings B. Biological Sciences*. 284, 1846, 2016.1424.

### **Individual heterogeneity determines sex differences in mortality in a monogamous bird with reversed sexual dimorphism**

Colchero, F., Aliaga, A. E., Jones, O. & Conde, D. A., 2017, I : *Journal of Animal Ecology*. 86, 4, s. 899-907

### **Sterbealter gleichen sich an**

Colchero, F., Rau, R., Scheuerlein, A., Schwentker, B. & Vaupel, J. W., 2017, *Forschungsbericht 2017: Max-Planck-Institut für demografische Forschung*. München: Max-Planck-Gesellschaft, s. 1-6

**Actuarial senescence in a long-lived orchid challenges our current understanding of ageing**

Dahlgren, J., Colchero, F., Jones, O., Øien, D-I., Moen, A. & Sletvold, N., nov. 2016, I : Royal Society of London. Proceedings B. Biological Sciences. 283, 1842

**Age and sex-specific mortality of wild and captive populations of a monogamous pair-bonded primate (*Aotus azarae*)**

Larson, S., Colchero, F., Jones, O., Williams, L. & Fernandez-Duque, E., 2016, I : American Journal of Primatology. 78, 3, s. 315-325

**Bayesian estimates of male and female African lion mortality for future use in population management**

Barthold, J. A., Loveridge, A., Macdonald, D., Packer, C. & Colchero, F., 2016, I : Journal of Applied Ecology. 53, 2, s. 295-304

**Bayesian inference to estimate mortality from incomplete historical data**

Villavicencio, F., Missov, T. I. & Colchero, F., 2016. 21 s.

**Dead or gone? Bayesian inference on mortality for the dispersing sex**

Barthold, J., Packer, C., Loveridge, A., McDonald, D. & Colchero, F., 2016, I : Ecology and Evolution. 6, 14, s. 4910-4923

**The emergence of longevous populations**

Colchero, F., Rau, R., Jones, O. R., Barthold, J. A., Conde, D. A., Lenart, A., Nemeth, L., Scheuerlein, A., Schoeley, J., Torres, C., Zarulli, V., Altmann, J., Brockman, D. K., Bronikowski, A. M., Fedigan, L. M., Pusey, A. E., Stoinski, T. S., Strier, K. B., Baudisch, A., Alberts, S. C. & 1 flere, Vaupel, J. W., 2016, I : National Academy of Sciences. Proceedings. 113, 48, s. E7681-E7690

**Opportunities and costs for preventing vertebrate extinctions**

Conde, D. A., Colchero, F., Güneralp, B., Gusset, M., Skolnik, B., Parr, M., Byers, O., Johnson, K., Young, G., Flesness, N., Possingham, H. & Fa, J., 16. mar. 2015, I : Current Biology. 25, 6, s. 219-221 3 s.

**Disentangling the effects of climate, density dependence, and harvest on an iconic large herbivore's population dynamics**

Koons, D., Colchero, F., Hersey, K. & Gimenez, O., 2015, I : Ecological Applications. 25, 4, s. 956-967

**Roads and jaguars in the Mayan forests**

Pallares, E., Manterola, C., Conde, D. A. & Colchero, F., 2015, *Handbook of Road Ecology*. van der Ree, R., Smith, D. & Grilo, C. (red.). Wiley, s. 313-16

**The COMPADRE Plant Matrix Database: an Open Online Repository for Plant Demography**

Salguero-Gomez, R., Jones, O., Archer, C. R., Buckley, Y., Che-Castaldo, J., Caswell, H., Hodgson, D., Scheuerlein, A., Conde, D. A., Brinks, E., de Buhr, H., Farack, C., Gottschalk, F., Hartmann, A., Henning, A., Hoppe, G., Römer, G., Runge, J., Ruoff, T., Wille, J. & 16 flere, Zeh, S., Viereg, D., Baudisch, A., Altwegg, R., Colchero, F., Dong, M., de Kroon, H., Lebreton, J-D., Metcalf, C., Neel, M., Parker, I., Takada, T., Valverde, T., Velez-Espino, L., Franco, M. & Vaupel, J. W., 2015, I : Journal of Ecology. 103, 1, s. 202-218

**Mortality as a bivariate function of age and size in indeterminate growers**

Colchero, F. & Schaible, R., 23. dec. 2014, I : Ecosphere (Washington, D.C.). 5, 12, 161.

**Adult mortality in Catalonia in the 16<sup>th</sup> and 17<sup>th</sup> centuries**

Villavicencio, F., Pujadas-Mora, J. M., Colchero, F. & Cabré, A., 2014. 21 s.

**Ageing Differently: Diet- and Sex-Dependent Late-Life Mortality Patterns in *Drosophila melanogaster***

Zajitschek, F., Jin, T., Colchero, F. & Maklakov, A. A., 2014, I : Journals of Gerontology. Series A: Biological Sciences & Medical Sciences. 69, 6, s. 666-674

**Bayesian inference on the effect of density dependence and weather on a guanaco population from Chile**

Zubillaga, M., Skewes, O., Soto, N., Rabinovich, J. & Colchero, F., 2014, I : PLOS ONE. e115307.

**Foraging strategy of a Neotropical primate: how intrinsic and extrinsic factors influence destination and residence time**

Plante, S., Colchero, F. & Calmé, S., 2014, I : Journal of Animal Ecology. 83, s. 116-125

**The Pace and Shape of Senescence in Angiosperms**

Baudisch, A., Salguero-Gómez, R., Jones, O., Wrycza, T., Mbeau-Ache, C., Franco, M. & Colchero, F., 2013, I : Journal of Ecology. 101, 3, s. 596-606

**Zoos can lead the way with ex situ conservation.**

Conde, D. A., Flesness, N., Colchero, F., Jones, O. & Scheuerlein, A., 2013, I : World Association of Zoos and Aquariums Magazine. s. 26-29 3 s.

**Zoos through the lens of the IUCN Red List: a global metapopulation approach to support conservation breeding programs**

Conde, D. A., Colchero, F., Pearce-Kelly, P., Gusset, M., Byers, O., Flesness, N., Browne, R. K. & Jones, O., 2013, I : PLOS ONE. 8, 12, 9 s., e80311.

**BaSTA: an R package for Bayesian estimation of age-specific survival from incomplete mark-recapture/recovery data with covariates**

Colchero, F., Jones, O. & Rebke, M., 2012, I : Methods in Ecology and Evolution. 3, 3, s. 466-470

**Bayesian inference on age-specific survival for censored and truncated data.**

Colchero, F. & Clark, J. S., 2012, I : Journal of Animal Ecology. 81, s. 139-149

**Two parthenogenetic populations of *Chara canescens* differ in their capacity to acclimate to irradiance and salinity**

Schaible, R., Gerloff-Elias, A., Colchero, F. & Schubert, H., 2012, I : Oecologia. 168, 2, s. 343-353

**An emerging role of zoos to conserve biodiversity**

Conde, D. A., Flesness, N., Colchero, F., Jones, O. & Scheuerlein, A., 2011, I : Science Magazine. 331, s. 1390-1391

**El jaguar como elemento estratégico para la conservación: Corredor Biológico Mesoamericano México**

Manterola, C., Conde, D. A., Colchero, F., Rivera, A., Huerta, E., Soler, A. & Pallares, E., 2011, Comisión Nacional para el Conocimiento y Uso de la Biodiversidad. 130 s.

**Jaguars on the move: modeling movement to mitigate fragmentation from road expansion in the Mayan Forests**

Colchero, F., Conde, D. A., Manterola, C., Cuahutemoc, C., Rivera, A. & Ceballos, G., 2011, I : Animal Conservation. 14, 2, s. 158-166

**Zoos and captive breeding: response**

Conde, D. A., Colchero, F. & Jones, O., 2011, I : Science Magazine. 332, 1777, s. 1150-1

**Clustered nesting and vegetation thresholds reduce egg predation in sooty tern.**

Colchero, F., Bass, O. L., Zambrano, R. & Gore, J. A., 2010, I : Waterbirds. 33, 2, s. 169-178

**Sex matters: Modeling male and female habitat differences for jaguar conservation**

Conde, D. A., Colchero, F., Zarza, H., Christensen Jr, N. L., Sexton, J. O., Manterola, C., Chávez, C., Rivera, A., Azuara, D. & Ceballos, G., 2010, I : Biological Conservation. 143, 9, s. 1980-1988 9 s.

**Predicting population survival under future climate change: density dependence, drought and extraction in an insular bighorn sheep.**

Colchero, F., Medellín, R. A., Clark, J. S., Lee, R. & Katul, G., 2009, I : Journal of Animal Ecology. 78, 3, s. 666-673

### **Understanding movement data and movement processes: current and emerging directions**

Schick, R. S., Loarie, S. R., Colchero, F., Best, B. D., Boustany, A., Conde, D. A., Halpin, P. N., Joppa, L. N., McClellan, C. M. & Clark, J. S., 2008, I : Ecology Letters. 11, 12, s. 1338-1350

## **Aktiviteter**

### **Male-female differences in mortality and cancer incidence birds and mammals**

Johanna Stärk (Arrangør), , Dalia Amor Conde (Chairman), , Fernando Colchero (Arrangør), , Rita Silva (Arrangør), & Annette Baudisch (Deltager)  
26. jun. 2019 → 27. jun. 2019

### **Diversity (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
1. feb. 2019 → 1. okt. 2019

### **Nature Communications (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
3. jan. 2019

### **The Pace and Shape of Primate Mortality**

Fernando Colchero (Deltager)  
17. dec. 2018 → 22. dec. 2018

### **Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
30. okt. 2018

### **Methods in Ecology and Evolution (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
23. okt. 2018

### **International Statistical Ecology Conference**

Fernando Colchero (Deltager)  
2. jul. 2018 → 6. jul. 2018

### **Nature Communications (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
16. jun. 2018

### **Ecology Letters (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
28. maj 2018

### **Nature Communications (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
21. maj 2018

### **The American Naturalist (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
18. maj 2018

### **5th Evolutionary Demography Society Meeting**

Fernando Colchero (Deltager)

10. jan. 2018

**Do Turtles Senesce Under Human Care?**

Ana Rita da Silva (Underviser), , Fernando Colchero (Andet), & Dalia Amor Conde (Andet)  
9. jan. 2018

**Scientific Data (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
9. jan. 2018

**5th Evolutionary Demography Society Meeting**

Fernando Colchero (Deltager)  
8. jan. 2018

**Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
2. jan. 2018

**The Pace and Shape of Primate Mortality**

Fernando Colchero (Deltager), , Susan C Alberts (Arrangør), & Dalia Amor Conde (Arrangør)  
17. dec. 2017 → 19. dec. 2017

**Journal of Animal Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
13. nov. 2017

**Oikos (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
3. nov. 2017

**Oikos (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
13. jul. 2017

**Ecological Modelling (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
24. apr. 2017

**Journal of Animal Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
22. mar. 2017

**The American Naturalist (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
7. mar. 2017

**Journal of Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
15. feb. 2017

**Ecology Letters (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
1. jan. 2017

**Mind the Gap: Filling Demographic Knowledge Gaps with Zoo Data**

Ana Rita da Silva (Foredragsholder), , Johanna Stärk (Andet), , Fernando Colchero (Andet), & Dalia Amor Conde (Andet)  
14. dec. 2016

**Ecology Letters (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
30. sep. 2016

**Evolution (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
5. sep. 2016

**Journal of Animal Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
1. sep. 2016

**Chairman of PhD Assessment Committee (Ekstern organisation)**

Fernando Colchero (Medlem)  
17. aug. 2016 → 30. nov. 2016

**Journal of Animal Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
17. aug. 2016

**Chair of PhD Committee (Ekstern organisation)**

Fernando Colchero (Formand)  
3. aug. 2016 → 18. okt. 2016

**Conservation Biology (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
11. jul. 2016

**Keynote speaker: Ecology and Behavior 2016 (Conference, Lyon, France)**

Fernando Colchero (Oplægsholder)  
27. jun. 2016 → 1. jul. 2016

**Journal of the Royal Society. Interface (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
24. maj 2016

**Evolutionary Ecology of Primate Life Histories**

Fernando Colchero (Deltager)  
5. maj 2016 → 8. maj 2016

**Oecologia (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
22. apr. 2016

**Ecological Applications (Tidsskrift)**

Fernando Colchero (Peer reviewer)  
22. feb. 2016

**Frontiers in Ecology and Evolution (Tidsskrift)**

Fernando Colchero (Peer reviewer)

21. jan. 2016

**Invited Speaker, Departmental Lecture Series, Department of Biology SDU: Under the hood: modelling hidden demographic processes**

Fernando Colchero (Foredragsholder)

8. jan. 2016

**P L o S One (Tidsskrift)**

Fernando Colchero (Peer reviewer)

21. aug. 2015

**Statistical Ecology and Environmental Monitoring (SEEM)**

Fernando Colchero (Oplægsholder)

22. jun. 2015 → 26. jun. 2015

**The Era of Big Data Hits Conservation Biology**

Fernando Colchero (Oplægsholder)

15. jun. 2015 → 19. jun. 2015

**BES Symposium: Demography beyond the Population**

Fernando Colchero (Arrangør)

22. mar. 2015 → 26. mar. 2015

**Danish Society for Theoretical Statistics**

Fernando Colchero (Arrangør)

18. nov. 2014 → 19. nov. 2014

**Theoretical Population Biology (Tidsskrift)**

Fernando Colchero (Peer reviewer)

18. nov. 2014 → 1. dec. 2014

**Workshop on Demographic Forecasting**

Fernando Colchero (Oplægsholder)

29. sep. 2014

**Ecological Modelling (Tidsskrift)**

Fernando Colchero (Peer reviewer)

17. sep. 2014 → 18. sep. 2014

**American Naturalist (Tidsskrift)**

Fernando Colchero (Peer reviewer)

15. jul. 2014 → 1. aug. 2014

**Royal Society of London. Proceedings B. Biological Sciences (Tidsskrift)**

Fernando Colchero (Peer reviewer)

1. jun. 2014 → 9. sep. 2014

**Methods in Ecology and Evolution (Tidsskrift)**

Fernando Colchero (Peer reviewer)

13. apr. 2014 → 20. maj 2014

**Evolutionary Applications (Tidsskrift)**

Fernando Colchero (Peer reviewer)

9. feb. 2014

**Frontiers in Ecology and Evolution (Tidsskrift)**

Fernando Colchero (Redaktør)

6. jan. 2014 → 6. jan. 2020

**International Advanced Studies in Demography**

Fernando Colchero (Deltager)

27. nov. 2013 → 28. nov. 2013

**Bayesian Survival Trajectory Analysis (BaSTA) Workshop.**

Fernando Colchero (Arrangør)

10. okt. 2013 → 11. okt. 2013

**1st EvoDemoS Annual Meeting**

Fernando Colchero (Deltager)

9. okt. 2013

**Ecological Modelling (Tidsskrift)**

Fernando Colchero (Peer reviewer)

12. jun. 2013

**Journal of Applied Ecology (Tidsskrift)**

Fernando Colchero (Peer reviewer)

3. jun. 2013

**Marine Ecology - Progress Series (Tidsskrift)**

Fernando Colchero (Peer reviewer)

24. maj 2013

**Bayesian inference on age-patterns of mortality, from wild animals to historical data**

Fernando Colchero (Foredragsholder)

7. mar. 2013

**A methodological approach to the study of adult mortality using historical marriage data**

Fernando Colchero (Rådgiver)

1. sep. 2012 → 20. jun. 2013