

Resource Summary Report

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NESCent - National Evolutionary Synthesis Center

RRID:SCR_005911

Type: Tool

Proper Citation

NESCent - National Evolutionary Synthesis Center (RRID:SCR_005911)

Resource Information

URL: <http://www.nescent.org/>

Proper Citation: NESCent - National Evolutionary Synthesis Center (RRID:SCR_005911)

Description: The National Evolutionary Synthesis Center (NESCent) is a nonprofit science center dedicated to cross-disciplinary research in evolution. NESCent promotes the synthesis of information, concepts and knowledge to address significant, emerging, or novel questions in evolutionary science and its applications. NESCent achieves this by supporting research and education across disciplinary, institutional, geographic, and demographic boundaries. Synthetic research in evolutionary science takes many forms but includes integrating novel data sets and models to address important problems within a discipline, developing new analytical approaches and tools, and combining methods and perspectives from multiple disciplines to answer and even create new fundamental scientific questions. NESCent facilitates such synthetic research by providing an environment for fertile interactions among scientists. Our Science and Synthesis program sponsors postdoctoral fellows and sabbatical scholars as resident scientists, and two kinds of meetings, working groups and catalysis meetings. Catalysis meetings provide a novel mechanism for bringing together diverse research communities and cultures to identify common interests, while working groups provide an opportunity for scientists to work together intensively on fundamental synthetic questions over a several-year period. These activities are community driven through our application process and evaluated by an external advisory board. Our Informatics program provides state of the art informatics tools to visiting and in-house scientists and aims to take the lead in assembling novel databases and developing new analytical tools for evolutionary biology. Finally it is sponsoring a major initiative to provide a digital data repository for work in evolutionary biology. NESCent's Education and Outreach group communicates the results of evolutionary biology research to the general public and scientific community, provides outreach to groups who are underrepresented in evolutionary biology and works to improve evolution education.

Abbreviations: NESCent

Synonyms: National Evolutionary Synthesis Center

Resource Type: institution

Keywords: evolution, evolutionary biology

Funding: NSF EF-0905606

Resource Name: NESCent - National Evolutionary Synthesis Center

Resource ID: SCR_005911

Alternate IDs: Wikidata: Q6972505, ISNI: 0000 0000 9027 3547, nlx_149487, grid.419343.8, Crossref funder ID: 100007514

Alternate URLs: <https://ror.org/001ykb961>

Record Creation Time: 20220129T080233+0000

Record Last Update: 20260821T193749+0000

Ratings and Alerts

No rating or validation information has been found for NESCent - National Evolutionary Synthesis Center.

No alerts have been found for NESCent - National Evolutionary Synthesis Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Deck J, et al. (2017) The Genomic Observatories Metadatabase (GeOMe): A new repository for field and sampling event metadata associated with genetic samples. PLoS biology, 15(8), e2002925.

Kirby KR, et al. (2016) D-PLACE: A Global Database of Cultural, Linguistic and Environmental Diversity. PloS one, 11(7), e0158391.

Pennell MW, et al. (2015) Y fuse? Sex chromosome fusions in fishes and reptiles. PLoS genetics, 11(5), e1005237.

Vision TJ, et al. (2014) Open data for evolutionary synthesis: an introduction to the NESCent collection. Scientific data, 1, 140030.

Dahdul WM, et al. (2012) A unified anatomy ontology of the vertebrate skeletal system. PloS one, 7(12), e51070.

Rosenberg MS, et al. (2010) A generalized formula for converting chi-square tests to effect sizes for meta-analysis. PloS one, 5(4), e10059.

Klenerman P, et al. (2009) What are the prospects for controlling hepatitis C? PLoS medicine, 6(6), e1000096.