

NEWSLETTER SUMMARY

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International and National 3Rs Centres

Accessing international sources of good alternatives tools and data can be an important part of applying the 3Rs.

Currently there are limited internet resources available for identifying the 3Rs centers across Europe and globally, therefore NADIR has developed a **List of international 3Rs Centres** as a resource for researchers working in large animal experimentation.

This number of the newsletter will cover the options available in Europe and in the other continents.

GENERAL

ECOPA, European Consensus-Platform for Alternatives.
Link: <http://www.ecopa.eu>

EPAA, The European Partnership for Alternative Approaches to Animal Testing.
Link: http://ec.europa.eu/enterprise/epaa/index_en.htm

EURL ECVAM, European Union Reference Laboratory for alternatives to animal testing.
Link: http://ihcp.jrc.ec.europa.eu/our_labs/eurl-ecvam

EUSAAT, European Society for Alternatives to Animal Testing.
Link: <http://www.eusaat.org>



AUSTRIA

'Zet' Centre for Alternative and complimentary Methods to animal testing

Link: <http://www.zet.or.at>

CZECH REPUBLIC

Czecopa (Consensus Platform for 3R Alternatives to Animal Experimentation)

Link: http://www.czecopa.cz/index_eng.htm

Role: The purposes of CZECOPA is to facilitate the exchange of scientific information, expertise and experience between four parties: the industry, science and academia, animal welfare and government institutions to enhance the further development and implementation

of refinement, reduction and replacement (3R-concept) in animal experimentation in the Czech Republic. Member of the International Association ECOPA.

Funders: see ECOPA website for details on funding *<http://www.ecopa.eu>*

FINLAND

Ella (Animal Experiment Board in Finland (Eläinkoelautakunta, ELLA))

Link: <http://www.laaninhallitus.fi/lh/etela/hankkeet/ellapro/home.nsf>

Role: Animal experiments are authorized in Finland by the national Animal Experiment Board (Eläinkoelautakunta, ELLA).

ELLA is divided into four sections:



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Helsinki, Turku, Kuopio and Oulu.

These sections process applications and grant authorizations for animal experiments in their regular meetings. If the members of the section do not agree the granting of authorization, the application is referred to the ELLA (the board meeting with all sections).

The matters processed by sections or ELLA are prepared by the representing officers in ESAVI (Regional State Administrative Agency for Southern Finland): Ella-team, ella@avi.fi.

The Finnish Act on Animal Experimentation (62/2006) sets down the rules for using animals for experimental purposes. As main principles:

1. A animal experiment is not allowed to be done without a licence authorized by Animal Experiment Board = Project licence.
2. A person who perform animal experiments must be competent = Personal licence

Fincopa, Finnish National Consensus Platform for Alternatives

Link: <http://jarjestot.uta.fi/fincopa/>

Role: Fincopa is a platform where the representatives of four partners, academia, industry, animal welfare and government can meet and discuss the promotion of the 3R ethical principles, and especially

the development of alternative methods.

Funding opportunities: There is a grants and awards section and there is a grant available through the following funding program Juliana von Went Fund for Research without Animal Experiments ([link: http://www.jvws.org/Default.aspx?tabid=1465](http://www.jvws.org/Default.aspx?tabid=1465)).

FRANCE

CELPHEDIA

Link: <http://www.celphedia.eu/en/>

Role: The National large scale infrastructure Network CELPHEDIA (Creation, Breeding, Phenotyping, Distribution and Archiving of vertebrate models) has four principal objectives to develop innovative, standardized and massively parallel technological approaches, in order to accelerate the understanding of the genome and the generation of models of human or animal diseases. Other objectives are to improve and harmonize procedures and protocols while guaranteeing the efficiency and the reliability, and facilitating national or international access to the models of interest. CELPHEDIA is a national large scale infrastructure including ten nodes, located around France. This distributed infrastructure gathers a critical mass of expertise, skills and knowledge in the domains of the creation, functional exploration, archiving and distribution of

vertebrate animals used as models for fundamental research and preclinical approaches: mice, non-human primates and aquatic vertebrates.

GERMANY

SET, Foundation for the Promotion of Alternate and Complementary Methods to Reduce Animal Testing

Link: <http://www.stiftung-set.de>

Role: The central aim of the SET Foundation is to reduce and replace animal experimentation. The Foundation is made up of representatives from industry, animal welfare, science and government. Their role is the transparent, interdisciplinary allocation of funds to eligible projects researching and implementing methods to replace and complement experiments on animals.

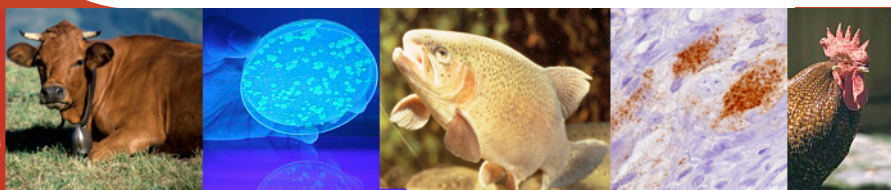
Funding Opportunities:

1. Sponsoring research proposals for further replacement and complementary methods
2. Scientific communication and activities through international relationships
3. Student training and further education

CAAT Europe

Link: <http://cms.uni-konstanz.de/leist/caat-europe/>

Role: CAAT-EU brings together



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industry and academics to address the needs for human-relevant methods

1. Use for strategic funds to fill gaps in the development and implementation of alternative methods
2. Coordination of workshops and information days in Europe on relevant developments in the area of alternatives and toxicology
3. Developing strategic projects with sponsors to promote humane science and "new toxicology"
4. Developing a joint education program between Johns Hopkins and the University of Konstanz
5. Set up transatlantic consortia for international research projects on alternative methods
6. Support ALTEX as the official journal of CAAT, EUSAAT, and t4.

ZEBET, The Centre for Documentation and Evaluation of Alternatives to Animal Experiments

Link: <http://www.bfr.bund.de/en/zebet-58194.html>

Role: One of the main roles of ZEBET is the development and validation of alternative methods to animal experiments

ITALY

ITPA Italian Platform on alternative methods

Link: <http://www.ipamitalia.it>

NORWAY

Norecopa

Link: <http://www.norecopa.no>

Role: Norecopa is Norway's consensus platform for the

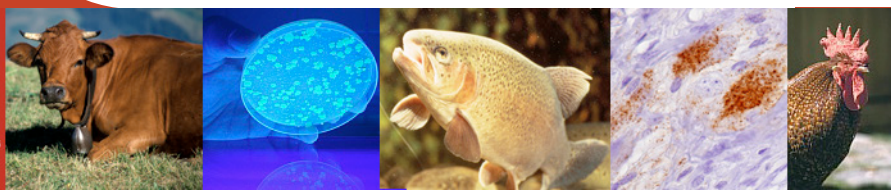
replacement, reduction and refinement of animal experiments. It is an independent member organisation with a Board representing the 4 stakeholders involved in animal research: regulators, academia, industry and the animal welfare movement. Norecopa has, among other things, arranged three international consensus meetings, focussing on the use of fish and wildlife in research. It also maintains a website with 3Rs resources and position statements on a variety of scientific issues. Norecopa is a member of the European organisation for national consensus platforms, Ecopa.

Funders: Ecopa (the European organisation for national consensus platforms): funders of ECOPA: The European partnership for Alternatives to animal testing, Johnson & Johnson, Set (Foundation for the Promotion of Alternate and Complementary Methods to Reduce Animal Testing) and the humane society inter nation European union.

NETHERLANDS

National Knowledge Centre on Alternatives (NKCA)

Link: <http://www.nca-nl.org>



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POLAND

Polska Platforma d/s metod altarnatywnychi POLCOPA

(Associate member of ECOPA)

Link: <http://www.imp.lodz.pl/polcopa/>

Role: It is a scientific and research center that deals with issues related to public health, environmental health and to all the fields of study connected with broadly understood occupational medicine.

SLOVAKIA

State Veterinary and Food Administration of the Slovak Republic

Link: <http://www.svps.sk>

Role: The State Veterinary and Food Administration of the Slovak Republic is a state administration authority pursuant to Act of the Slovak National Council No 39/2007 Coll. on veterinary care and in the field of the food surveillance pursuant to Act of the Slovak National Council No 152/1995 Coll. on foodstuffs as amended.

SPAIN

Red Española de Métodos Alternativos (Spanish) 'REMA'

Link: <http://www.remanet.net/ingles/remaingles.htm>

Role: The Spanish Network for the Development of Alternative Methods (REMA) is a platform that

coordinates the initiatives of the Industry, the Administration, the Society and the Scientific World towards a reduction and a more rational use of laboratory animals promoting the development of alternative methods.

Funders: http://www.remanet.net/entidades/Entidades_v.3.htm

SWEDEN

Swedish Fund for Research without Animal Experiments

Link: <http://www.forskautandjurforsok.se/in-english/>

Role: The Swedish Fund for Research without Animal Experiments promotes the development and validation of replacement alternatives to animal experiments. Grants are awarded annually to research, validation and information projects.

Funders: Funded through gifts legacies from the public.

Funding Opportunities: Provides grants for projects and Nordic Prize for Alternatives

SWITZERLAND

The 3R Foundation, Switzerland

Link: <http://www.forschung3r.ch>

Role: The aim of the 3R Foundation is to promote alternative research methods to animal experimentation through grants for research

projects as well as to implement and promote the 3R principles. The organization supports first and foremost projects aimed at developing new methods or refining accepted methods (validation) which offer improvements vis-à-vis standard animal experimentation in line with the 3R motto Reduce, Refine, Replace. Research projects are selected for support according to periodically defined principal areas for financial support (<http://www.forschung3r.ch/en/guidelines/focus.html>)

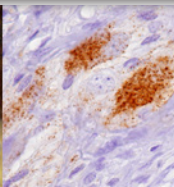
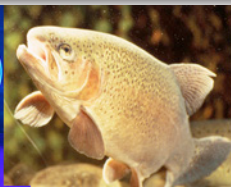
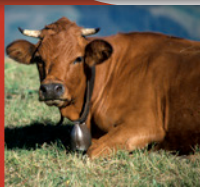
Funders: The 3R Foundation is a cooperative institution set up in 1987 by the Parliamentary Group for Animal Experimentation Questions (public organ), Interpharma (Actelion Ltd, Merck Serono Ltd, Novartis Pharma Ltd, F. Hoffmann-La Roche Ltd, and the associated members Bayer (Switzerland) Ltd, Cilag Ltd and Vifor Ltd) and the Foundation for Animalfree Research (animal protection). The organisation is supervised by the Federal Department of Home Affairs.

Funding: Funds available to support 3Rs projects (through application).

UNITED KINGDOM

NC3Rs (National centre for Replacement, Refinement and Reduction of animals in Research)

Link: <http://www.nc3rs.org.uk>



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Role: The National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) is an independent scientific organisation. It supports the UK science base through the application of the 3Rs and also the UK's largest funder of 3Rs research.

Funders: Medical Research Council (MRC), Biotechnology and Biological Science Research Council (BBSRC), Home Office, Wellcome Trust, Association of British Pharmaceutical industry (ABPI), GalaxoSmithKline (GSK), Unilever, The Dow Chemical Company, SC Johnson, Syngenta and Shell.

Funding Opportunities: Funding schemes available including: Studentships, strategic awards, project grants, pilot study grants and fellowships (<http://www.nc3rs.org.uk/landing.asp?id=27>).

CANADA

The Canadian Council on Animal Care (CCAC)

Link: <http://3rs.ccac.ca/en/>

Role: The CCAC oversees the ethical use of animals in science in Canada. The CCAC is registered as a non-profit organization, and is financed primarily by the Canadian Institutes of Health Research (CIHR) and the Natural Sciences and Engineering Research Council of Canada (NSERC),



with additional contributions from federal science-based departments and agencies and private institutions participating in its programs. Governed by a Council of representatives from 22 national organizations.

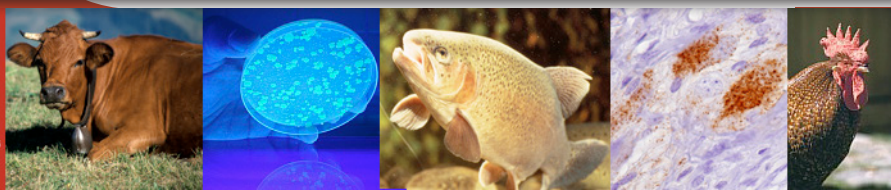
The CCAC acts as a quasi-regulatory body and sets standards (its guidelines documents and policy statements) on animal use in science that applies across Canada. It is accountable to the general public and is responsible for the dissemination of information on the use of animals in science to Canadians. In addition to guidelines documents and policy statements, the CCAC develops comprehensive annual statistics on the number of animals used in science and

produces an annual report to disseminate information to its constituents and the general public.

Funders: Canadian Institutes of Health Research and Natural Sciences and Engineering Research Council of Canada

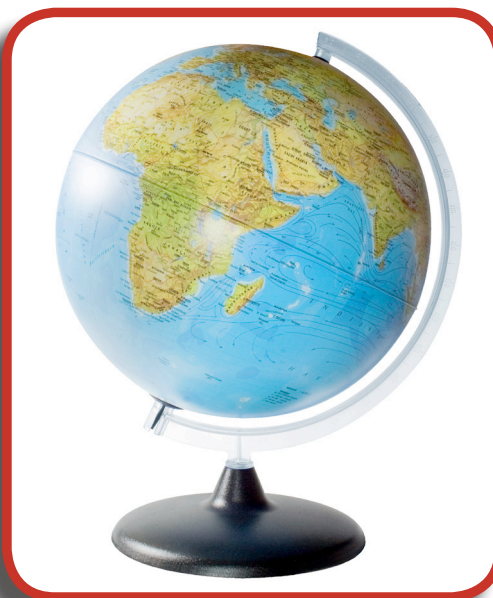
Funding Opportunities:

- Fellowship opportunities are offered within the Guidelines Program and Three Rs Program. The fellowship focuses either in developing the background for CCAC guidelines documents or on the implementation of replacement, reduction and refinement alternatives.
- 3R Research Foundation Switzerland, Research Grants
- American Association for Laboratory Animal Science,



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- Grant for Laboratory Animal Science
- Centre for Alternatives to Animal Testing (CAAT), CAAT Grants for 2012-2013
- International Foundation for Ethical Research (IFER), IFER Graduate Fellowship Program
- SET (Germany) – Foundation for the Promotion of Alternate and Complementary Methods to Reduce Animal Testing, Research Funding
- Society of Toxicology Select one of the following funding opportunities from the dropdown complete award listing: Colgate-Palmolive Grants for Alternative Research; Colgate-Palmolive Post-Doctoral Fellowship Award in In Vitro Toxicology; Colgate-Palmolive/SOT Awards for Student Research Training in Alternative Methods
- Universities Federation for Animal Welfare (UFAW): UFAW Research and Project Awards; UFAW Small Project and Travel Awards



U.S.A.

Johns Hopkins Center for Alternatives to Animal Testing (CAAT)

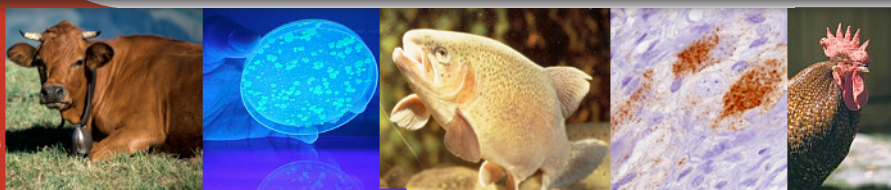
Link: <http://caat.jhsph.edu>

Role: The Johns Hopkins Centre for Alternatives to Animal Testing (CAAT) is a small, non-profit centre. As part of the Johns Hopkins University Bloomberg School of Public Health, we are dedicated to improving health for both people and animals. (In March 2000, U.S. News & World Report ranked Johns Hopkins #1 among all schools of public health.)

We promote humane science by supporting the creation, development, validation, and use of alternatives to animals in research, product safety

testing, and education. We seek to effect change by working with scientists in industry, government, and academia to find new ways to replace animals with non-animal methods, reduce the numbers of animals necessary, or refine methods to make them less painful or stressful to the animals involved.

Funders: Sponsors (Abbott, Agilent Technologies Foundation, BASF, Beiersdorf AG, Bernice Barbour Foundation Inc., Boehringer Ingelheim Pharma, Doerenkamp-Zbinden Foundation, ExxonMobil Biomedical Science, Inc., F. Hoffmann-La Roche Ltd., Johnson & Johnson, The Esther A. & Joseph Klingenstein



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Fund Inc., L'Oréal, PepsiCo, Pfizer Inc., Procter & Gamble Company, Shell Oil Company, ThermoFisher Scientific, Unilever). Associates (Allergan, Bristol-Myers Squibb, The Clorox Company, Merck, Rohto Pharmaceutical). Other Corporate Contributors (Alternatives Research & Development Foundation, American Cleaning Institute, AstraZeneca, Avon Products, Inc., BSL Bioservice, Charles River, Covidien, CropLife america, The Humane Society of the United States, Lucille Ellis Simon Foundation, Research Institute for Fragrance Materials, Society of Toxicology.

Alt-Tox

Link: <http://www.alttox.org>

Role: AltTox.org is a website dedicated to advancing non-animal methods of toxicity testing, both to better protect the health of humans, animals, and the environment and to reduce the numbers and suffering of animals used in current toxicology assessments. The website is designed to encourage the exchange of technical and policy information on in vitro and in silico methods for all types of toxicity tests. The target audience includes stakeholders in industry,



government, academia, and nongovernmental organizations.

Funders:

- Alternative Research and development foundation
- American Chemistry Council
- Procter and Gamble (P&G)
- The humane society of USA
- Human toxicology project consortium

American Society for Cellular and Computational Toxicology

Link: <http://ascctox.org>

Role: The American Society for Cellular and Computational Toxicology (ASCCT) is a scientific society dedicated to the promotion of toxicology testing and research that reduces and replaces the use of animals.

Toxicology testing is currently

undergoing a paradigm shift from a primarily observational, whole animal-based science to a predictive, mode of action-focused discipline.

Animal Welfare Information Center (AWIC)

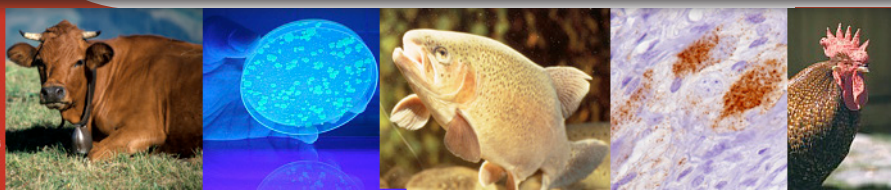
Link: <http://awic.nal.usda.gov>

Role: The Animal Welfare Information Center (AWIC) is mandated by the Animal Welfare Act (AWA) to provide information for improved animal care and use in research, testing, teaching, and exhibition.

The International Foundation for Ethical Research (IFER)

Link: <http://www.ifer.org>

Role: The International Foundation for Ethical Research (IFER) supports the



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development, validation and implementation of innovative scientific methodologies that advance science and replace the use of animals in research, testing and education.

IFER bridges the gap between the ethical concerns of people who oppose the suffering of animals and the concerns of scientists who recognize the limitations of other species to model human diseases and to predict what is safe and effective for people. IFER invests in opportunities that are inspired by the potential of 21st century technologies and provides incentives to researchers to pursue answers to today's questions in science without causing harm to animals.

The International Foundation for Ethical Research is charting a new course toward better, more ethical science.

Funders: This is a non profitable organization that is funded primarily by The Foundation is funded primarily by a generous grant from the National Anti-Vivisection Society (NAVS), an educational and advocacy organization dedicated to advancing science without harming animals.

The Institute for In Vitro Sciences

Link: <http://www.iivs.org>

Role: The Institute for In Vitro Sciences, Inc. is a non-profit research and testing laboratory dedicated to the advancement of in vitro (non-animal) methods worldwide. Founded in 1997, IIVS has worked with industry, academic laboratories and government agencies to implement in vitro testing strategies that limit animal use while supplying key information for product safety and efficacy decisions.

AUSTRALIA AND NEW ZEALAND

Animal Ethics Info link

Link: <http://www.animaethics.org.au>

(linked to ANZCCART, Australian and New Zealand council for care of animals in research and teaching)

Role: This website has been developed by the Animal Research Review Panel and NSW Department of Primary Industries – Animal Welfare Branch. It aims to assist researchers, teachers and members of Animal Ethics Committees to access information about the operation of the Animal Research

Act 1985, Animal Research Regulation 2010 and The Code of Practice in New South Wales.

In addition to specific information about this legislation, including relevant policies and guidelines, this site provides general information about legislation in other states and countries and links to many sites from which useful, general information promoting the humane care and use of animals for scientific purposes can be sourced.

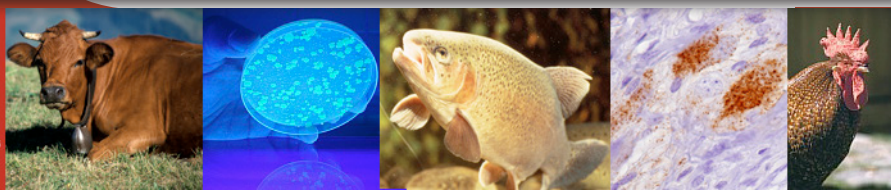
The Animal Research Act covers the use of animals for a range of purposes including their use in research, teaching, product testing, field trials, diagnosis of disease, production of biological products and environmental studies. 'Animals' include all live non-human vertebrates (fish, amphibians, reptiles, birds and mammals) and includes laboratory animals, farm livestock and wildlife.

SINGAPORE

Agri-Food & Veterinary science, Authority of Singapore

Link: <http://www.ava.gov.sg>

Role: A very small section of the Agri-Food & Veterinary science website Authority of Singapore that covers the 3Rs and animal research.



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Under the Animal & Birds (Care and Use of Animals for Scientific Purposes) Rules any research facility that uses animals for scientific purposes must obtain a licence from AVA. As part of the licensing requirements, a research facility must comply with Guidelines set forth by the National Advisory Committee for Laboratory Animal Research (NACLAR) for the proper care and use of animals for scientific purposes and allow AVA to carry out inspection of its facilities.

INDIA

I-CARE International Centre for Alternatives in Research and Education

Link: <http://www.icare-worldwide.org>

Role: By bringing in this synergy of 'Ahimsa' in the teaching/ research of Life Sciences we pave the path for the establishment of a 'humane education system' and will

hence promote the concept of The 3 Rs- REPLACE, REDUCE and REFINE the use of animals in education, basic biomedical research and testing.

Funders: ATRA, Artimiste Agency, Doerenkamp-Zbinden Foundation

MGDC, Mahatma Gandhi-Doerenkamp Centre for Alternatives to Use of Animals in Life Science Education

Link: <http://www.mgdcau.org>

Role: Mahatma Gandhi-Doerenkamp Centre (MGDC) for Alternatives to Use of Animals in Life Science Education is a National Center with the mandate to synergize the Gandhian Philosophy of "Ahimsa" in the teaching/ research of Life Sciences. The Center strives to promote quality and excellence in Life Science education/research/ testing by introducing value-based/value-added pedagogy/

research systems/tools based on "humane" education principles.

JAPAN

JaCVAM, The Japanese Center for the Validation of Alternative Methods

Link: <http://www.jacvam.jp/en/>

Role: JaCVAM's policy and mission is to promote the 3Rs in animal experiments for the evaluation of chemical substance safety in Japan and establish guidelines for new alternative experimental methods through international collaboration.

KOREA

Konkuk Institute for the 3Rs

Link: <http://threers.konkuk.ac.kr>

Korean Society of Alternatives to Animal Experiments

Link: <http://www.ksaae.org/index.asp>

NADIR CONTACTS

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Project Website:
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