

EURL news

News related to the EURL activities

Annual Inter-laboratory test for rabies diagnosis

The 2015 rabies diagnostic inter-laboratory test will be undertaken on a unique panel of 9 samples. As each year, laboratories will be able to test their performance for 4 techniques: FAT (Fluorescent Antibody Test), RTCIT (Rabies Tissue Culture Infection Test), Conventional RT-PCR and Real-Time RT-PCR. The panel will be sent to laboratories on 1st June 2015. Results will have to be returned to Anses-Nancy before 1st July 2015, along with the answers to the online questionnaires for each technique tested. These questionnaires are used to ... [Read more](#)

Data collection for EU NRL Annual Community review of tests related to rabies: Do not forget to answer the questionnaire!

As announced last month, the EURL laboratory network is invited to participate in the annual overview of tests performed in the NRLs. This year the survey is undertaken online. Deadline for submission is postponed to 15th April... [Read more](#)

7th workshop for EU NRL rabies – Hotel booking

The annual meeting for the EURL for rabies will take place this year in Zagreb, Croatia. This meeting will be held in Aristos Hotel (Cebini 33, Buzin, 10010 Zagreb), not very far from the airport. The EURL for rabies kindly asks the participants to stay at the Aristos Hotel (same place as the meeting) where special rates have been negotiated for them. The hotel proposes to organise transfers from/to the airport and/or town centre. Caution! Rates on registration form are only valid until 11.04.2015. [Read more](#)

News from laboratories

News related to the EURL for rabies laboratory network

Inter-laboratory aptitude test for rabies serology

In the frame of its mandate of EURL for rabies serology (Council Decision 2000/258/EC), the Anses-Nancy laboratory for rabies and wildlife, France, organizes each year inter-laboratory aptitude tests for the purposes of Member States or third countries authorization to carry out the serological tests to monitor the effectiveness of the anti-rabies vaccination. A favourable result of the appraisal of the applicant laboratory documented by the ANSES-Nancy laboratory is a pre-requisite for the appraisal. This year, 67 laboratories will participate to... [Read more](#)

New book on rabies: “Current Laboratory Techniques in Rabies Diagnosis, Research and Prevention”

This book is the second volume of the edition of “Current Laboratory Techniques in Rabies Diagnosis, Research and Prevention”. The overall objective is to provide updated information on techniques, including reference methods, to detect lyssaviruses and also to supply resources for those involved in rabies management and research, both for animal and human rabies. These books are very useful for rabies laboratory workers involved in rabies surveillance and oral vaccination monitoring by using reference tests for rabies diagnosis, serology and potency testing of vaccines as well as for scientists willing to design new tools. Recent methods and novel approaches are also detailed in the books. Most of the methods are clearly described ... [Read more](#)

In the spotlight

Focuses on a specific event or presents a laboratory of the EURL network

NRL for Rabies and Control the Effectiveness of the Vaccination (RCEV) - NDRVMI, Sofia, Bulgaria

The Rabies laboratory is a structural unit which is part of the National Center for Animal Health in National Diagnostic Research Veterinary Medical Institute, a specialized structure of the Bulgarian Food Safety Agency (BFSA). It has been accredited by the Executive Agency "Bulgarian Accreditation Service" according to EN ISO/IEC 17025 standard since 2009. The staff is composed of 3: a veterinarian (Dr. Darinka Ilieva, DVM, PhD), a molecular biologist (Mariya Staleva) and a laboratory assistant (Teodora Mateva). They are trained to perform diagnostic and rabies serological studies in animals. All national studies related to passive and active surveillance of rabies in Bulgaria are undertaken at the NRL for RCEV... [Read more](#)

Agenda

Forthcoming events

2015

14-16 April	2015 Spring International Conference on Forestry and Animal Husbandry (FAH-S), Beijing (China)
16-17 April	OIE 2015 Regional Rabies Scientific Conference, Wuhan, China
22-24 April	5th International Veterinary Congress, Moscow (Russia)
25 April	NEW World Veterinary Day
5-8 May	Partners for Rabies Prevention meeting 2015, Wolfsberg (Switzerland)
27-28 May	7th Workshop for rabies EU NRL, Zagreb (Croatia)
8-10 July	Infectious Diseases World Summit 2015, Boston, MA (USA)
14-17 August	3rd International Southeast Asian Bat Conference, Sarawak (Malaysia)
31 Aug.-2 Sept.	OMICS Group Global American Veterinary Summit, Florida (USA)
28 September	NEW World Rabies Day 2015
28-30 Sept.	NEW Annual Conference of the German Genetics Society, Kiel University, Germany
4-8 October	26th International Conference on Rabies in the Americas (RITA), Fort Collins, Co., USA
November	NEW 11th REMESA Joint Permanent Committee meeting, Algeria
10-11 Dec.	NEW Global Rabies Conference (FAO, GARC, OIE, WHO), Geneva, Switzerland

Rabies notifications

23 Mar 2015 ★ Russia

<http://xn--80aahjjiagbvlca8bfht6b.xn--p1ai/?p=4452> (Russian only)

<http://www.promedmail.org/direct.php?id=3248279>

Rabies publications

A selection of publications on rabies, diagnosis, virology and vaccinology.

Animal and human rabies

Clinical diagnosis of rabies in a patient with schizophrenia.

Pan L. et al., [Psychiatry Clin Neurosci.](#), 2015, in press.

<http://onlinelibrary.wiley.com/doi/10.1111/pcn.12285/abstract>

Cost-effectiveness of rabies post-exposure prophylaxis in the context of very low rabies risk: A decision-tree model based on the experience of France.

Ribadeau Dumas F. et al., [Vaccine](#), 2015, in press.

<http://www.sciencedirect.com/science/article/pii/S0264410X15002868>



Diagnosis, virology and vaccinology

Strategies to interfere with PDZ-mediated interactions in neurons: What we can learn from the rabies virus.

Caillet-Saguy C. et al., Progr. Biophys. Mol. Biol., 2015, sous presse.
<http://www.sciencedirect.com/science/article/pii/S0079610715000176>

Translocation of rabies virus in Israel by cattle: A threat for the public health.

David D. et al., Israel J Vet Med 2015 70, n°1, pp 7-11.
http://www.ijvm.org.il/sites/default/files/rabies_translocation.pdf

Complex epidemiology of a zoonotic disease in a culturally diverse region: phylogeography of rabies virus in the Middle East.

Horton D. et al., Plos Negl. Trop. Dis., 2014, 9, n°3, e0003569.
<http://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0003569>

Rabies virus phosphoprotein interacts with mitochondrial Complex I and induces mitochondrial dysfunction and oxidative stress.

Kammouni W. et al., J. Neurovirol., 2015, sous presse.
<http://rd.springer.com/article/10.1007%2Fs13365-015-0320-8#>

Chimeric rabies virus-like particles containing membrane-anchored GM-CSF enhances the immune response against rabies virus.

Kang H. et al., Viruses, 2015, 7, n°3, pp 1134-1152.
<http://www.mdpi.com/1999-4915/7/3/1134/htm>

A recombinant canine distemper virus expressing a modified rabies virus glycoprotein induces immune responses in mice.

Li Z. et al., Virus Genes, 2015, sous presse.
<http://rd.springer.com/article/10.1007%2Fs11262-015-1169-x>

A step forward in the quality control testing of inactivated rabies vaccines — Extensive evaluation of European vaccines by using alternative methods to the in vivo potency tests.

Servat A. et al., ATLA, 2015, 43, pp 19-27.
<http://www.ncbi.nlm.nih.gov/pubmed/25802995>

Compliance to anti-rabies vaccination in post-exposure prophylaxis.

Shankaraiah R.H. et al., Ind. J. Public Health, 2015, 59, n°1, pp 58-60.
<http://www.ijph.in/article.asp?issn=0019-557X;year=2015;volume=59;issue=1;spage=58;epage=60;aulast=Shankaraiah>

Space-time distribution of laboratory diagnosis of animal rabies.

Teixeira L.H.M. et al., Ciencia Anim. Brasil., 2015, 16, n°1
http://www.scielo.br/scielo.php?pid=S1809-68912015000100144&script=sci_arttext

Rabies immune globulin/rabies vaccine.

Tinsa F., Reactions Weekly, 2015, 1539, n° 1, p 249.
<http://rd.springer.com/article/10.1007/s40278-015-7804-4>

High throughput differentiation and screening of a library of mutant stem cell clones defines new host-based genes involved in rabies virus infection.

Wallis D. et al., Stem Cells, 2015, sous presse.
<http://onlinelibrary.wiley.com/doi/10.1002/stem.1983/abstract>

The efficacy of a multivalent calicivirus, herpesvirus and parvovirus vaccine and a rabies vaccine is not affected when administered in combination.

Wilson S. et al., Trials Vaccinol., 2015, 4, pp 14-18.
<http://www.sciencedirect.com/science/article/pii/S1879437815000029#>

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EURL for rabies - Anses–Nancy Laboratory for rabies and wildlife

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