

## EURL news

News related to the EURL activities

### Workshop for rabies 2015

The presentations of the workshop for rabies 2015 are now online in the private part of the EURL for rabies website. Please remember that only registered scientists of our network can have access to this part of the website. Scientists without access can request an access to the private part via the "register" button and the "Create an account" link.

Further to the workshop for rabies 2015, a report showing statistics and the results of the satisfaction questionnaires is also available online. (...[Read more](#))

### Annual inter-laboratory test for rabies diagnosis

A total of 45 laboratories participated to the 2015 inter-laboratory test for rabies diagnosis. Results and online questionnaires will be analysed during the summer and the report released in the autumn.

### Proficiency test based on the rabies antibody detection in wildlife samples

The EURL will organize in 2016 a proficiency test based on the rabies antibody detection in wildlife samples. The main objective of this proficiency test will be to have an overview of the performances of the techniques and protocols undertaken by the NRLs to titrate rabies antibodies in wildlife samples. Considering the number of different techniques in use in Europe (cell neutralisation tests and ELISAs), the ultimate objective (...[Read more](#))

## News from laboratories

News related to the EURL for rabies laboratory network

### Shortage of conjugates

The EURL informed most of you in the course of June that Fujirebio conjugate and also Millipore anti-rabies conjugate, were in shortage in the US and that you could meet difficulties to purchase Millipore product to replace the Fujirebio conjugate. We are pleased to inform you that the Fujirebio conjugate is now available again. We invite the laboratories to check the working dilution of this new batch to possibly adapt it in order to guarantee satisfactory detection sensitivity. In case you have questions or meet some problems, you should contact the EURL.

## In the spotlight

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

### Cypriot National reference laboratory of rabies

The Virology section is one of the five sections of the Animal Health Laboratory (AHL) at Veterinary Services of Cyprus. It is accredited since March 2008 to the terms of the ELOT EN ISO/IEC 17025:2005 Standard by the Hellenic Accreditation System (ESYD) and Cyprus Accreditation Body (CYSAB). In 1930, two Rabies positive incidents were investigated in imported dogs under quarantine. Since then Rabies has never been diagnosed in domestic animals and wildlife or in humans on the island. Nevertheless, wild carnivores that are found dead, stray dogs caught crossing or roaming along the buffer zone, (...[Read more](#))

# Agenda

Forthcoming events

## 2015

8-10 July	Infectious Diseases World Summit 2015, Boston, MA (USA)
26-30 July	64th Annual international conference of the Wildlife Disease Association, Queensland, Australia.
9-14 August	20th International Bioinformatics Workshop on Virus Evolution and Molecular Epidemiology (VEME), St. Augustine, Trinidad and Tobago
14-17 August	3rd International Southeast Asian Bat Conference, Sarawak (Malaysia)
18-20 August	World Congress and Expo on Applied Microbiology, Frankfurt, (Germany)
24-26 August	ICEID - International Conference on Emerging Infectious Diseases, Atlanta, GA, (USA)
29-30 August	19th International Bat Night
31 Aug.-2 Sept.	6th Annual World Congress of Virus and Infections (WCVI-2015), Shanghai (China)
31 Aug.-2 Sept.	OMICS Group Global American Veterinary Summit, Florida (USA)
31 Aug.-3 Sept.	Xth International Congress of Veterinary Virology (ESVV), Montpellier, (France)
10-12 Sept.	25th Annual Congress of The European College of Veterinary Internal Medicine (ECVIM-CA 2015), Lisbon (Portugal)
13-17 Sept.	32e Global veterinary Congress, Istanbul (Turkey)
28 September	World Rabies Day 2015
28-30 Sept.	Annual Conference of the German Genetics Society, Kiel University, (Germany)
4-7 October	3rd GRF One Health Summit 2015 - Fostering interdisciplinary collaboration for global public and animal health, Davos (Switzerland)
4-8 October	26th International Conference on Rabies in the Americas (RITA), Fort Collins, Co., (USA)
5-9 October	WAHIS Unique Global Training, Paris (France)
15-17 October	21st FECAVA EuroCongress 2015, Barcelona (Spain)
26 Oct.-7 Nov.	Workshop on surveillance and control of rabies, Phnom Penh (Cambodia)
November	11th REMESA Joint Permanent Committee meeting, (Algeria)
23-27 November	Regional Seminar for OIE National Focal Points on Veterinary Laboratories
10-11 Dec.	Global Rabies Conference (FAO, GARC, OIE, WHO), Geneva, (Switzerland)
12-13 Dec.	VI annual meeting of the Portuguese College of Veterinarians, Lisbon (Portugal)

## Rabies notifications

10 Jun 2015 ★ Tunisia

[Rabies - Tunisia \(03\): \(BZ\) human, fatal, RFI](#)

13 Jun 2015 ★ France

[Rabies - France \(03\): \(OI\) bat, human exposure](#)

<http://www.sciencesetavenir.fr/animaux/20150611.OBS0586/alerte-un-cas-de-rage-detecte-dans-l-oise.html>

29 Jun 2015 ★ Slovakia

[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?page\\_refer=MapFullEventReport&reportid=18016](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=18016)

30 Jun 2015 ★ Tunisia

<http://www.jawharafm.net/fr/article/kairouan-un-enfant-de-12-ans-meurt-de-la-rage/152/25138>

<http://www.promedmail.org/>

30 Jun 2015 ★ Russia

<http://tula.rfn.ru/news.html?id=253569&cid=7>

<http://www.promedmail.org/>

### Ec.europa.eu website rabies notifications

(Total cases of rabies reported in Europe from 01/01/2015 to 23/06/2015)

[http://ec.europa.eu/food/animal/diseases/adns/adns\\_outbreaks\\_per\\_disease\\_en.pdf](http://ec.europa.eu/food/animal/diseases/adns/adns_outbreaks_per_disease_en.pdf) (This link is also valid for other diseases).



# Rabies publications

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

## Animal and human rabies

### **Developing a transparent country risk classification system to guide pre-travel rabies vaccination recommendations.**

Blanton J., 2015 CSTE Ann. Conf., Boston, 14-18 June 2015.

<https://cste.confex.com/cste/2015/webprogram/Paper5119.html>

### **Enhancing rabies surveillance and management of potential human exposures: An automated solution using electronic public health case reports — Nebraska, 2013–2014.**

Buss B., 2015 CSTE Ann. Conf., Boston, 14-18 June 2015.

<https://cste.confex.com/cste/2015/webprogram/Paper4531.html>

### **Evaluation of methods for short-term marking of domestic dogs for rabies control.**

Conan A. et al., Prev. Vet. Med., 2015, sous presse.

<http://www.sciencedirect.com/science/article/pii/S016758771500207X>

### **Spatio-temporal analysis of fox rabies cases in Germany 2005-2006.**

Eckardt M. et al., Geospatial Health, 2015, 10, pp 1-5.

<http://geospatialhealth.net/index.php/gh/article/view/313>

### **Awareness of rabies risk in a sample of travelers attending an Irish travel medicine clinic.**

Flaherty G. et al., Int. J. Travel Med. Global Health, 2015, 3, n°2.

<http://journals.bmsu.ac.ir/ijtmgh/index.php/ijtmgh/article/view/62>

### **Rabies – Out of control ?**

Kiran K.G. et al., Int. J. Contemp. Med., 2015, 3, n°2, pp 127-130.

<http://www.indianjournals.com/ijor.aspx?target=ijor:ijcm1&volume=3&issue=2&article=026>

### **Targeted animal bites and rabies risk training for law enforcement professionals.**

Saunders S., 2015 CSTE Ann. Conf., Boston, 14-18 June 2015.

<https://cste.confex.com/cste/2015/webprogram/Paper4986.html>

### **Risk of rabies exposure among travellers.**

Wieten R.W. et al., Neth. J. Med. 2015 Jun;73(5):219-26.

<http://www.njmonline.nl/getpdf.php?id=1577>

## Diagnosis, virology and vaccinology

### **Rabies postexposure prophylaxis for travelers injured by nonhuman primates, Marseille, France, 2001–2014.**

Blaise A. et al., Emerg. Infect. Dis., 2015, 21, n°8, sous presse.

[http://wwwnc.cdc.gov/eid/article/21/8/15-0346\\_article](http://wwwnc.cdc.gov/eid/article/21/8/15-0346_article)

### **What is the true risk of imported dogs to the UK?**

Boyden P., Vet. Rec., 2015, 176, pp 670-671.

<http://veterinaryrecord.bmj.com/content/176/26/670.extract>

### **Monosynaptic circuit tracing with glycoprotein-deleted rabies viruses.**

Callaway E.M. et al., J. Neurosci., 2015, sous presse.

<http://www.jneurosci.org/content/35/24/8979.extract>

### **G gene-deficient single-round rabies viruses for neuronal circuit analysis.**

Ghanem A. et al., Virus Res., 2015, sous presse.

<http://www.sciencedirect.com/science/article/pii/S0168170215002348>

**Neurogenic cardiomyopathy in rabbits with experimentally induced rabies.**

Kesdangsakonwut S. et al., Vet. Pathol., 2015, 52, n°3, pp 573-576.

<http://vet.sagepub.com/content/52/3/573>

**Cross-border transport of rescue dogs may spread rabies in Europe.**

Klevar S. et al., Vet. Rec., 2015, sous presse.

<http://veterinaryrecord.bmj.com/content/early/2015/05/07/vr.102909>

**In vitro effect of different inactivators on rabies virus.**

Kotb A.M. et al., Egypt. J. Agric. Res., 2015, 93, n°1, pp 211-220.

<http://www.ncbi.nlm.nih.gov/pubmed/14690777>

**Comparison of safety and immunogenicity of two WHO prequalified rabies vaccines administered by one week, 4 site intra dermal regimen (4-4-4-0-0) in animal bite cases.**

Narayna D. et al., Human Vaccines & Immunotherapeutics, 2015, sous presse.

[http://www.tandfonline.com/doi/abs/10.1080/21645515.2015.1048938?url\\_ver=Z39.88-2003&rft\\_id=ori:rid:crossref.org&rft\\_dat=cr\\_pub%3dpubmed#.VZDrcVKtbPc](http://www.tandfonline.com/doi/abs/10.1080/21645515.2015.1048938?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed#.VZDrcVKtbPc)

**Gelatin allergy as the cause of repeated severe anaphylactic reactions after administration of a rabies vaccination.**

Niclou M. et al., Allergologie, 2015, 38, n°4, pp 166-170.

<http://www.scopus.com/record/display.url?eid=2-s2.0-84929395007&origin=SingleRecordEmailAlert&txGid=E17EE007229C351BC266170C84293208.FZg2ODcJC9ArCe8WOZPvA%3a23#>

**Construction and titration of a recombinant canine adenovirus expressing the rabies G protein.**

Plesca R.G. et al., Bull.UASVM Vet. Med., 2015, 72, n°1, pp 75-78.

<http://journals.usamvcluj.ro/index.php/veterinary/article/viewFile/10716/9160>

**Why we can prevent, control and possibly treat – but will not eradicate – rabies.**

Rupprecht C.E. et al., Future Virol., 2015, 10, n°5, pp 517–535.

<http://192.168.10.11/Record.htm?idlist=11&record=19296431124910146139>

**The recognition and treatment of rabies: A case report and discussion.**

Rustad J.K. et al., Psychosomatics, 2015, sous presse.

<http://www.sciencedirect.com/science/article/pii/S0033318214001583>

**Effects of G-gene deletion and replacement on rabies virus Vvector gene expression.**

Sato S. et al., PLoS ONE, 2015, 10, n°5, e0128020.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0128020>

**MRI in atypical rabies: time for clinical recommendations?**

Senthikumar S. et al., Am. J. Emerg. Med., 2015, sous presse.

[http://www.ajemjournal.com/article/S0735-6757\(15\)00470-2/abstract](http://www.ajemjournal.com/article/S0735-6757(15)00470-2/abstract)

**Paediatric Australian bat lyssavirus encephalomyelitis – sequential MRI appearances from symptom onset to death.**

Shetty U. et al., Pediatr. Radiol., 2015, sous presse.

<http://rd.springer.com/article/10.1007/s00247-015-3371-3#>

**Genetically modified rabies virus ERA strain is safe and induces long-lasting protective immune response in dogs after oral vaccination.**

Shuai L. et al., Antiviral Res., 2015, sous presse.

<http://www.sciencedirect.com/science/article/pii/S0166354215001424>

**Clinical management and humoral immune responses to rabies post-exposure prophylaxis among three patients who received solid organs from a donor with rabies.**

Vora N.M. et al., *Transplant Infect. Dis.*, 2015, 17, n°3, pp 389-395.

<http://onlinelibrary.wiley.com/doi/10.1111/tid.12393/abstract;jsessionid=4A83341A0849F7BC6ECF1D957C74A4EA.f04t04>

**Preclinical development of inactivated rabies virus–based polyvalent vaccine against rabies and filoviruses.**

Willett M. et al., *J. Infect. Dis.*, 2015, sous presse.

<http://jid.oxfordjournals.org/content/early/2015/06/10/infdis.jiv251.abstract>

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

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