



COLOSS

honey bee research association

Newsletter
Issue 2014-3

Announcements

Dissemination of bee health information is important to COLOSS. Here are recent announcements added to the COLOSS website by our members.



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COLOSS is non-profit association for scientific professionals who are dedicated to improving the well-being of honey bees.

We conduct research and disseminate knowledge through our projects, events, newsletters, website, and social media.

For more information about COLOSS, or to find out how you can join or partner our association to promote the health of honey bees through science and networking, please visit our website or contact us.

news



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- **COLOSS held its Annual General Meeting** and associated workshops in Murcia, Spain just prior to EURBEE 6. By all accounts the meeting was a success! Chairs of COLOSS' Core Groups and Task Forces presented their accomplishments since the last meeting in Kiev, and organized discussion groups to plan future events. It was also announced that the Ricola Foundation will provide funds to COLOSS for the coming year for networking. We are extremely grateful for this investment!
- **The COLOSS BEEBOOK** is not your usual publication! To help you use this excellent resource for honey bee research methods, full references for each volume and chapter can be found on the COLOSS website [\[link\]](#)
- **Cascadian Farm Organic and The Xerces Foundation** have joined forces to help raise money to promote bee health. More information can be found at their website <http://bee-friendlier.com> [\[link\]](#)



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events

- **COLOSS APITOX Task Force Workshop, Louvain la Neuve, Belgium** (20 & 21 November 2014)- Open to APITOX members only [\[link\]](#)
- **COLOSS Varroa Control Task Force Workshop, Bologna, Italy** (2 & 3 December 2014). Registration & abstract submission deadline: 21 November 2014 [\[link\]](#)
- **COLOSS CSI Pollen Task Force Workshop, Copenhagen, Denmark** (26 & 27 January 2015). Registration & abstract submission deadline: 10 December 2014 [\[link\]](#)
- **COLOSS Monitoring Core Project Workshop, Copenhagen, Denmark** (27 & 28 January 2015). Registration & abstract submission deadline: 10 December 2014 [\[link\]](#)

For more information about COLOSS' Core Projects & Task Forces, check out the 'What we do' portion of the COLOSS website



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**INTERNATIONAL BEE
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jobs

- **Chinese Academy of Agricultural Sciences (China) Elite Youth Scientist** in bee population genetics [\[link\]](#)
- **Chinese Academy of Agricultural Sciences (China) Senior Scientist** in bee population genetics & bioinformatics [\[link\]](#)
- **University of Tennessee (USA) Postdoctoral Associate** in honey bee toxicology [\[link\]](#)
- **University of California, Davis & Tufts University (USA) Postdoctoral Research Scientist** on bumble bee ecology [\[link\]](#)
- **Cornell University (USA) Extension Associate** for apiculture [\[link\]](#)
- **USDA Logan Bee Laboratory (USDA) Supervisory Research Entomologist** for non-*Apis* bees [\[link\]](#)
- **Martin-Luther-University Halle-Wittenberg (Germany) Lecturer** in population genomics of social insects [\[link\]](#)
- **Martin-Luther-University Halle-Wittenberg (Germany) Doctoral Studentship** in honey bee molecular evolution [\[link\]](#)
- **University of California, Riverside (USA) Assistant Professor** of social insect molecular biology [\[link\]](#)



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articles

- Aurori C.M., *et al.* 2014. What is the main driver of ageing in long-lived winter honey bees – antioxidant enzymes, innate immunity or vitellogenin? *Journals of Gerontology Series A-Biological Sciences and Medical Sciences*, 69: 633-639. [[link](#)]
- Buttstedt A., *et al.* (2014) More than royal food - major royal jelly protein genes in sexuals and workers of the honeybee *Apis mellifera*. *Frontiers in Zoology*, 10: 72 [[link](#)]
- Buttstedt A., *et al.* (2014) Origin and function of the major royal jelly proteins of the honeybee (*Apis mellifera*) as members of the yellow gene family. *Biological Reviews*, 89: 255-269. [[link](#)]
- Coroian C.O., *et al.* 2014. Climate rather than geography separates two European honeybee subspecies. *Molecular Ecology* 23: 2353-2361. [[link](#)]
- Erlor, S. *et al.* 2014. Rapid evolution of antimicrobial peptide genes in an insect host-social parasite system. *Infection, Genetics and Evolution*, 23: 129-137. [[link](#)]
- Gebremedhn H. *et al.* 2014. Relating climatic factors to foraging behavior of honeybees (*Apis mellifera*) during blooming period of *Guizotia abyssinica* (L.F.). *Livestock Research for Rural Development* 26: 60. [[link](#)]
- Hatjina *et al.* 2014. A review of methods used in some European countries for assessing the quality of honey bee queens through their physical characters and the performance of their colonies. *Journal of Apicultural Research* 53: 337-363 [[link](#)]
- Hepburn, H.R. *et al.* 2014. *Honeybee Nests: Composition, Structure, Function*. Springer, 389 pp. [[link](#)]
- Hou, C., *et al.* 2014. Dynamics of the presence of Israeli acute paralysis virus in honey bee colonies with Colony Collapse Disorder. *Viruses* 6: 2012-2027. [[link](#)]
- Hubert, J. *et al.* 2014. Point mutations in the sodium channel gene conferring tau-fluvalinate resistance in *Varroa destructor*. *Pest. Management Science* 70: 889–894. [[link](#)]
- Muñoz I., *et al.* 2014. Presence of *Nosema ceranae* associated with honeybee queen introductions. *Infection, Genetics and Evolution* 23: 161–168 [[link](#)]
- Ptaszyńska, A.A., *et al.* 2014. Loop-mediated isothermal amplification (LAMP) assays for rapid detection and differentiation of *Nosema apis* and *N. ceranae* in honeybees. *FEMS Microbiology Letters* 357: 40–48 [[link](#)]
- Shutler D., *et al.* 2014. Honey bee *Apis mellifera* parasites in the absence of *Nosema ceranae* fungi and *Varroa destructor* mites. *PLoS One* 9: e98599. [[link](#)]
- Wallberg A., *et al.* 2014. A worldwide survey of genome sequence variation provides insight into the evolutionary history of the honeybee *Apis mellifera*. *Nature Genetics* 46: 1081–1088 [[link](#)]
- Williams G.R., *et al.* 2014. Infra-population and -community dynamics of the parasites *Nosema apis* and *Nosema ceranae*, and consequences for honey bee (*Apis mellifera*) hosts. *PLoS One* 9: e99465. [[link](#)]

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