

## MESSAGE FROM THE ESTHER Database

Published quarterly by the ESTHER Team  
(Well, aimed at being so, but now largely overdue!)

Since the latest Newsletter (August 2014), it happened the following:

### PEOPLE

As announced through the ESTHER mailing list: Buphendra P Doctor ("BP" or "Doc" for most of us) passed away last November. We miss him.

The tribute to BP Doctor by Hermona Soreq and Israel Silman on behalf of the International Advisory Board of the International Symposia on Cholinergic Mechanisms is available from the XVth ISCM site:

<http://iscm.sciencesconf.org/resource/page/id/11>

The tribute to BP Doctor by Palmer Taylor is available from the ESTHER site:

<http://bioweb.supagro.inra.fr/esther/PapersSupData/OtherPDF/BPDoctor.pdf>

at the end of this text you will find an announcement for the development of a fund for travel of young investigators attending International Meetings on Cholinesterases - please contribute!

Of course we included BP's name and a short summary in the "Hall of Fame" page of ESTHER:

<http://bioweb.ensam.inra.fr/ESTHER/halloffame>

### STRUCTURES

During the latest 5 months (August 2014 - January 2015), 48 new crystal structures of 25 alpha/beta hydrolase proteins from 20 subfamilies were released by the RCSB PDB; for 18 of these proteins they were the first structures to be solved.

The first structure from a member of the PGAP family was released (4R1D Structure of complex structure of enzyme PA1510 and its inhibitor):

Lu 2014 Acta.Crystallogr.D.Biol.Crystallogr 70 3233

The first structure from a member of the Duf\_2235 family was released (4O5P Structure of the type VI secretion phospholipase effector Tle1):

Hu 2014 Acta.Crystallogr.D.Biol.Crystallogr 70 2175

The first structure from a member of the Tannase family was released (3WMT Crystal structure of a feruloyl esterase belonging to the tannase family: a disulfide bond near a catalytic triad):

Suzuki 2014 Proteins 82 2857

The first structure of an AChE-inhibitory antibody complex was released (4QWW Crystal structure of snake venom acetylcholinesterase in complex with inhibitory antibody fragment Fab410 bound at the peripheral site).

Bourne 2014 J.Biol.Chem 90 1522

- See the table of the families:

<http://bioweb.ensam.inra.fr/ESTHER/general?what=overallTable>

### MEETINGS

The page on past and scheduled meetings related to the cholinesterases and other cholinergic topics has been updated:

<http://bioweb.ensam.inra.fr/ESTHER/meeting.pl>

Since information is still missing (e.g., program, participants), please contact us if you can provide pieces of.

The 15th International Symposium on Cholinergic Mechanisms (XVth ISCM) is tentatively scheduled for October 2nd-6th, 2016, in Marseille France and a preliminary web site is available at:

<http://iscm.sciencesconf.org/>

To express your anticipated interest into this event, please send a short note to:

[iscm@afmb.univ-mrs.fr](mailto:iscm@afmb.univ-mrs.fr)

With best wishes to each and all for year 2015!

On behalf of the ESTHER Team,  
Arnaud and Pascale