

No.4
July 2016

AETIONOMY – CONSORTIUM MONTHLY UPDATE



General Information

Recruitment Update				
Site	PD	AD	Controls	Total
ICM	31	0	9	40
KI	24	0	5	29
UKB	6	0	0	6
Total:	61	0	14	75
Neurorad	0	4	13	17
Oxford	0	0	0	Not started
EPAD	0	1	0	1

Congratulations to EPAD for having enrolled the first patient in the UK.

First patient for EPAD in Spain is expected for 30 June 2016

Upcoming Meetings

- WP 2 Meeting – Sankt Augustin (D) – 14 July 2016
- WP 3 & 5 – Barcelona (E) – 10 October 2016, 10h00 -17h00
- Joint Taxonomy Workshop, Barcelona (E), 11 October 2016
- 3rd General Assembly – at Sanofi, Paris (F), 1 & 2 December 2016
- AD/PD Conference 2017 – Vienna (A), 29 March – 2 April 2017

Deliverables due to IMI in July 2016 (late)

- D5.1.3.5: Minutes from the choice of biomarker for final protocol meeting (M29)
- D3.3.2: Webinar and report to review the pathophysiology graphs and potential hypotheses to be tested (M30)

WP1 – Governance & Coordination

- The 2nd Periodic Report has been submitted to IMI
- The new issue of **AETIONOMY newsletter** focussing on our clinical partners has been released to all.
- The Project Agreement will be amended and sent to all partners soon for signature as it will incorporate AMU (Contact: Prof. Viktor Jirsa) as Partner 17.
- We are also looking at establishing a collaboration with C-Path in the US.

Publications Update

Juan Domingo Gispert , Marc Suárez-Calvet, Gemma C. Monté, Alan Tucholka, Carles Falcon, Santiago Rojas, Lorena Rami, Raquel Sánchez-Valle, Albert Lladó, Gernot Kleinberger, Christian Haass, José Luis Molinuevo: *Cerebrospinal fluid sTREM2 levels are associated with gray matter volume increases and reduced diffusivity in early Alzheimer's Disease*, ADJ_2016_37, Alzheimer's & Dementia; 2016.

Reminder to use the mandatory IMI funding statement and send all papers to the PO prior to submission as per the Project Agreement

WP2 – Knowledge & Data Management

- D2.2.1.1 Enhanced Image Ontology has been submitted. The Neuro-Imaging Feature Terminology (NIFT) initially contained image derived terminology coming from literature, e-books and other public resources. For the enhancement, terminology obtained from Erasmus MC BGR image processing pipeline has been added as new terms or as synonyms for better recall.
- WP2 continue to follow up on data inclusion into the AKB. AD Cytokine Data from Universitätsklinikum Bonn is now available in the AKB. Please open a ticket to request access.
- Freesurfer, BGR Tissue Segmentation and Human Connectome Mapper for about 1200 ADNI_scans, i.e. about 260 subjects (healthy and diseased) with DTI and structural MRI for 3-4 time points/visits, are being processed now at EMC Rotterdam. Planned end time for this processing session is end of July, beginning of august. PPMI subjects with DTI and structural data (850 scans from about 300 subjects) are already been processed.

The results of this processing are also stored on the AET BSCW-server.

- WP2 also continues working on the integration of analysis tools. ApiNATOMY instance compatible to BRCT has been deployed, the BEL API has been developed and deployed for demonstration purposes. It will be soon included to the AKB.

The next F2F meeting is planned for the 14th of July at Fraunhofer.

WP3 – Knowledge Integration & Mining

- Fraunhofer progressed on the generation of a model of prion-like spreading in neurodegeneration.
- Erasmus generated neuroradiological indices for both ADNI and PPMI datasets for analysis.
- UCL issued a first release of the graphical user interface to browse and query the neuroanatomical mapping to clinical indices.
- Karolinska carried out a re-organisation of its team structure, in co-ordination with WP3.

WP4 – Ethical & Legal Governance

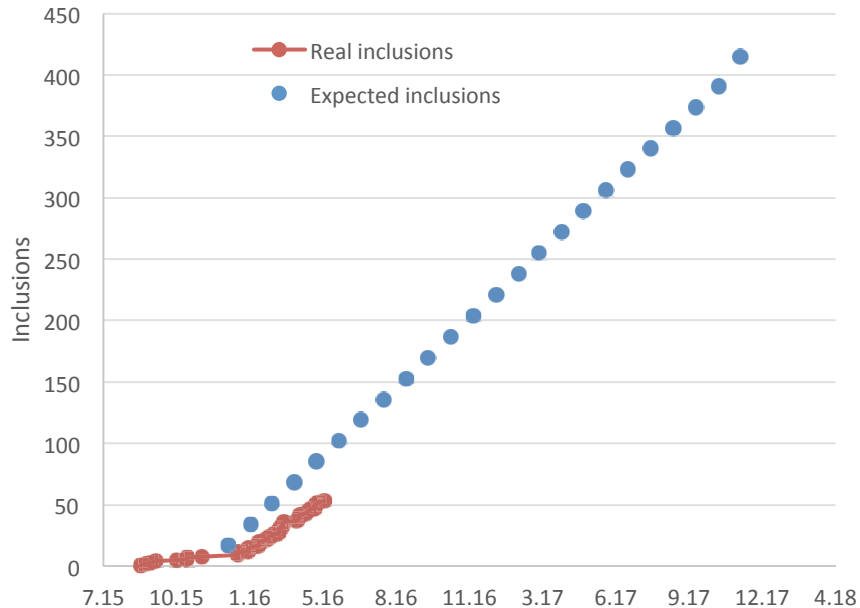
- WP4 has been active in assessing the arrangements within the EPAD project, including its ICF, that allow data to be shared in the future with AETIONOMY.
- It has also been working with partner BI to expedite the initial provision of the EFPIA partner data through an SAS multi-sponsor environment, to which other partners will have access.
- At the same time it has continued to monitor and approve data uploads through the tranSMART repository, and has advised partner Neururad on regulatory issues in connection with its collection of image data."

WP5 – Clinical Validation

- The **AETIONOMY protocol amendment** has been approved in all 3 countries.
- Changes in staff: 1st of July Dr. Balasa finishes his role in the AETIONOMY project, he leaves IDIBAPS and will be embarked in a new project.

Clinical Study Recruitment

Inclusions in AETIONOMY (PD)



Course offering

- The first Neuroinflammation School will be held in Conil de la Frontera, Spain from Oct 11th to Oct 16th 2016. We have a host of exciting lectures and work shops, which will be of interest to students, postdocs and established academics in the field of neuroinflammation. Note that places are limited and will be awarded on a first come first served basis.

Please contact Michael T. Heneka M.D. at UKB for more details.