

Automated Functional Screening of IgGs for Diagnostics of Neurodegenerative Diseases
A U T O I G G
December 21, 2019, Belgrade, Serbia

AUTOIGG ANNUAL MEETING II MINUTES

Annual meeting of AUTOIGG (Grant Agreement 778405), “Automated Functional Screening of IgGs for Diagnostics of Neurodegenerative Diseases”, organizer University of Belgrade FACULTY OF BIOLOGY, was held at University of Belgrade, Address: Studentski trg 3, 11000 Belgrade on December 21, 2019. Start time: 10:00.

Present

Pavle R. Andjus, Lidija Radenović, Anita Simić, Andrej Korenić, Danijela Batavaljić, Milena Milošević, Dunja Bijelić, Ana Jakovljević, Milena Tucić, Katarina Živančević, Darko Lovrić, Željko Janićijević, Aleksa Marković, Sofija Radovanović, Veljko Mudrinić,- FBUB (Serbia)

Gulderen Yanikkaya Demirel, Basak Aru - YEDITEPE (Turkey)

Abdulkerim Çapar – ARGENIT (Turkey)

Nikita Mihailov – UEF (Finland)

Srdjan D. Antic - UCONN (USA)

Wim van Drongelen (by Skype) – UCHIC (USA)

Guest: Irena Živković, Petar Anastasijević

BENEFICIARIES

PARTNERS

Welcome and Introduction of agenda

- ❖ Meeting was officially opened by prof. Dr Pavle Andjus (coordinator)
- ❖ Agenda adopted by participants at 10:15.
- ❖ AUTOIGG Researchers’ Night video #2 presentation

Minuted Agenda

AUTOIGG overview

1. **Coordinator's Report** (@10:25) - presented by Pavle Andjus (coordinator). He gave an overview of the current outcomes of the performed secondments, success stories and contingency measures taken during the second year of the project.
2. **Report on Secondments** - presented by Lidija Radenović (chair of the Secondments Committee). She updated participants on Gantt chart (prepared by Andrej Korenić) elaborating on secondments status (finished, with overall outcomes) with reminder about justification for all types of changes in the secondments plan. Calculation of planned vs. realized secondments (until the end of the 2019) was also updated and presented. It was concluded that by the end of year 2019, in total 86.5% of secondments months will be fulfilled.
3. **Financial report** – presented by Anita Simić (project administrator). Ms. Simic presented a table of the FBUB flow of funds as an example for upcoming reporting. It was emphasised that all beneficiaries should upload their reports online and should group finances according to the same rules. Q&A with participants was conducted after the morning presentations.
4. **Discussion** about all previous topics with special reference to management.

Lunch break 12:00-13:15

Work package reports (@13:25)

5. **Report on WP 1 – Standardization and benchmarking:** Reports given by Basak Aru on purification of IgGs | Milena Milošević on voltage sensitive dyes testing and calcium imaging | Andrej Korenić on machine learning in calcium signal analysis.
6. **Report on WP 2 – Pilot platform design:** Ž. Janićijević presented the pilot unitary microfluidic device with a self-sustained flow system.
7. **Report on WP 3 – Dissemination communication and networking:** P. Andjus reported on the MTM in Jarnac and mentioned the dissemination and communication outcomes in the 2nd year. He also informed the consortium about the new call for H2020 Dissemination and Exploitation Booster and urged to apply. PA also emphasised that the site of the project at the Participant portal needs to be replenished on the Summary for publication and Critical risks page. Gulderen Yanikkaya Demirel reported on Workshop #2 at Yeditepe in Istanbul.
8. **Report on WP 4 – Project management and sustainability:** P. Andjus, reminded of the project management structure and urged for better cooperation between project councils and committees, as well as by using the established web social instruments.
9. **Success stories** with reference to the pilot success in chip design and machine learning, as well as awarded posters (Gizem Dursun and Andrej Korenić), and awarded partner organization ArGenit for its international cooperation.

Q/A from partners, Discussion & Troubleshooting

by participants of the meeting (@15:50)

10. **Discussion & Troubleshooting** – further improvements of the chip design; plans for development of algorithms for automated calcium imaging (image segmentation and trace

analysis), and preparations for publishing. Several papers were envisaged: on IgG purification, on the design of the microfluidic pilot device, on the image segmentation analysis, and on calcium imaging and machine learning. A collaborative FBUB/NWU paper is also sent to Frontiers in Molecular Neuroscience and is under review.

11. Plan for the 3rd year – presented by prof. Lidija Radenović (chair of Secondments Committee) and prof. Pavle Andjus (coordinator). Planned and revised secondments were presented by L. Radenović.

12. Teleconference with partner from UCHIC on data analysis (@17:00). Network analysis was discussed with Wim van Drongelen on one side and Srdjan D. Antic, Dunja Bijelić and Pavle Andjus, on the other.

End of the 2nd Annual Meeting @17:45.

Record of the Minutes: *Andrej Korenić*

Revised by: *Pavle Andjus*

Date: December 24, 2019, Belgrade, Serbia