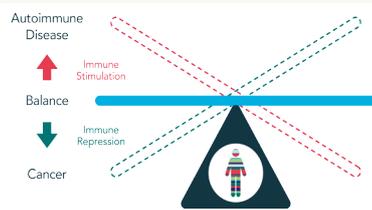


Dear Protagen friends,

The summer has just started and you are no doubt looking forward to a well-deserved break! At Protagen, we look back at a very successful quarter that saw us expand our Immuno-Oncology (IO) collaborator network, gain repeat business from a couple of pharma companies, and conduct further IO studies towards the prediction of immune-related adverse events (irAEs)—an ever-increasing problem. Due to our expanded network, and with the established pharma collaborations, we are bound to be very busy in the upcoming weeks and months. So watch this space for further news on Protagen. In the meantime, we wish you an enjoyable summer break!



IO network: University of California, San Francisco (UCSF)



Last quarter we proudly announced the addition of UCSF and Dr. Lawrence Fong to our IO network. We are excited about the collaboration, especially in an indication like prostate cancer that has shown to be difficult to target with immunotherapies. Nevertheless, we know that a small proportion of patients do respond. Immunologic profiling of these patients could enable approaches for patient selection and this collaboration could provide opportunities to accomplish this goal!

Conferences & Meet us @

5TH PRECISION MEDICINE & BIOMARKERS LEADERS SUMMIT: EUROPE
13-14 SEPTEMBER 2018
MUNICH, GERMANY



Last quarter, we were in Amsterdam for the Annual European Congress of Rheumatology, **EULAR**, and also attended the the 16th **Annual CIMT Meeting** in Mainz. During these events, we presented various posters and had great exposure to, and discussions with, KOLs, industry representatives and patients. In the upcoming quarter, we will attend the **5th Precision Medicine and Biomarkers Leaders Summit: Europe** in Munich, and look forward to meeting you there!

Corporate News & PR



PR and marketing activities during the last quarter focused on an overhaul and update of our website. We very much hope that you like the new, fresh look and feel of it and look forward to your comments and suggestions. Georg and Peter also authored an editorial article that was published in the June issue of **GEN**, and we also announced the extension of our Immuno-Oncology collaborations by welcoming UCSF and Dr. Fong to our growing network.

Quartely Update

During this quarter we initiated the labwork for our collaborations with Gustave Roussy and UCSF. The biostatistical analysis is ongoing, however the first set of data looks great and highly interesting. Our core expertise is immune-profiling and prediction of irAEs, a major challenge in Immuno-Oncology.

We also gained further momentum in our pharma collaboration business and are proud to have a significant repeat business rate. Most of our collaboration projects are focused on biomarker programs in autoimmune indications, but we are gaining momentum in Immuno-Oncology too.

We are also applying our SeroTag technology and autoantibody profiling to the identification and validation of novel targets. In a reverse-translational approach we are utilizing antibody and thus patient data to find said targets. A new but highly interesting area for us!

News

Protagen AG collaborates with UCSF

Dortmund, Germany - 9th May, 2018
Protagen AG has today announced the start of a collaboration with the University of California, San Francisco (UCSF) to utilize Protagen's SeroTag® technology to investigate the immuno-profiling of prostate cancer patients treated with checkpoint inhibitors and therapeutic vaccines.

[READ MORE](#)

Prevent Cancer Immunotherapy's Side Effects

Immunotherapy represents the most promising approach to cancer treatment since the advent of targeted therapies. The goal of any immunotherapeutic drug is to boost the body's immune response to fight cancer, but often the patient develops harmful irAEs as a result. So how can we overcome this issue?

[READ MORE](#)

Finally – Summer Holidays

Ever thought about moving to Italy?! Great climate, fantastic food, Mediterranean life all year round...well, if you have kids you may have second thoughts! Where Germany has 6 weeks off during the summer, kids in Italy have the longest school summer holidays in Europe, at a whopping 13 weeks, fun for the kids no doubt!

