



## Molecular Partners to Present Preclinical Data from MP0317, AMG 506 / MP0310 and Peptide-MHC Programs at AACR Annual Meeting

May 15, 2020

Zurich-Schlieren, Switzerland, May 15, 2020. [Molecular Partners AG](#) (SIX: MOLN), a clinical-stage biotech company that is developing a new class of custom-built protein therapeutics known as DARPin® therapeutics, today announced the presentation of preclinical data from three of the company's programs at the American Academy for Cancer Research (AACR) Virtual Annual Meeting II, June 22-24, 2020.

Data to be presented on **MP0317 (FAP x CD40)** include in vitro and in vivo experiments which show that MP0317 displays significant tumor-localized immune activation without systemic toxicity seen with anti-CD40 antibody administration. In human B cells and dendritic cells, MP0317 was found to activate the CD40 pathway solely in the presence of fibroblast activation protein (FAP)-positive cells, confirming its strict dependence on FAP-mediated crosslinking. In a mouse model, a mouse-specific FAP x CD40 DARPin® molecule was found to substantially inhibit the progression of FAP-positive tumors without showing any of the toxicities seen with administration of a mouse CD40 antibody. FAP is a tumor-associated antigen abundantly expressed in many solid tumors, which Molecular Partners is leveraging to co-locate MP0317 to its target tissues.

Data to be presented on the **peptide-MHC DARPin® program** review the creation of bispecific DARPin® T cell engager proteins that bind with high specificity to a HLA-A2: SLL peptide-MHC complex. The constructed DARPin® proteins were observed to effectively activate T cells at a range of concentrations and to carry out highly targeted cell killing exclusively on those cells that were positive for NY-ESO-1, from which the SLL peptide is derived. This demonstrates proof-of-concept for the ability of DARPin® therapeutics to effectively drug peptide-MHC complexes.

Thirdly, a poster to be presented on **AMG 506 / MP0310 (FAP x 4-1BB)** describes pharmacokinetic and pharmacodynamic research to establish the optimal dose range for this novel tumor-localized immune agonist. AMG 506 / MP0310 is now in a Phase 1 clinical study.

The details are as follows:

- **MP0317:** An oral presentation of MP0317 titled "A tumor-targeted CD40 agonistic DARPin® molecule leading to antitumor activity with limited systemic toxicity" will take place during the minisymposium entitled "Immunomodulatory Agents and Interventions" and will be accessible [here](#).
- **Peptide-MHC DARPin®:** "Application of the DARPin® technology for specific targeting of tumor-associated MHC class I: peptide complexes", [Poster No. 690](#)
- **AMG 506 / MP0310:** "Selection of first-in-human clinical dose range for the tumor-targeted 4-1BB agonist MP0310 (AMG 506) using a pharmacokinetic/pharmacodynamics modeling approach", [Poster No. 2273](#)

Following their presentation, the posters will be made available on the corresponding [section of the Molecular Partners](#) website.

### Financial Calendar

August Publication  
26, of Half-year  
2020 Results 2020  
(unaudited)

October Interim  
29, Management  
2020 Statement  
Q3 2020

<http://investors.molecularpartners.com/financial-calendar-and-events/>

### About DARPin® Therapeutics

DARPin® therapeutics are a new class of custom-built protein therapeutics based on natural ankyrin repeat proteins that open a new dimension of multi-functionality and multi-target specificity in drug design. A single DARPin® candidate can engage more than five targets within a single molecule, and its flexible architecture and small size offer benefits over conventional monoclonal antibodies or other currently available protein therapeutics. DARPin® therapeutics have been clinically validated through to registration via the development of abicipar, Molecular Partners' most advanced DARPin® drug candidate. The DARPin® platform is a fast and cost-effective drug discovery engine, producing drug candidates with optimized properties for development and very high production yields. DARPin® is a registered trademark owned by Molecular Partners AG.

### About Molecular Partners AG

Molecular Partners AG is a clinical-stage biotech company developing a new class of custom-built proteins known as DARPin® therapeutics, designed to address challenges current modalities cannot. The company has compounds in various stages of clinical and preclinical development with a focus on oncology. Molecular Partners has formed partnerships with leading pharmaceutical companies to advance DARPin® therapeutics across multiple therapeutic areas.

For more information regarding Molecular Partners AG, go to: [www.molecularpartners.com](http://www.molecularpartners.com).

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