

Making the DARPin[®] Difference Reality for Patients

Patrick Amstutz, CEO

Andreas Emmenegger, CFO

Fireside Chat at Morgan Stanley Global Healthcare Conference, New York

Molecular Partners AG, Switzerland (SIX: MOLN) - September 12, 2018

Molecular Partners: Who We Are



Teamwork

- Swiss biotech (SIX: MOLN)
- **120 team members**
- Discovery to Phase 2 (POC)
- Science & patients first



DARPin® Therapies

- **Abicipar** in Phase 3 (ophtha)
- MP0250 in Phase 2 (onc)
- MP0274 in Phase 1 (onc)
- Broad preclin. I/O portfolio



Partnerships

- Alliance with Allergan
- **Agreement with AstraZeneca**
- **Cash CHF 122m (H1 2018)**
- Financed well beyond key value inflection points



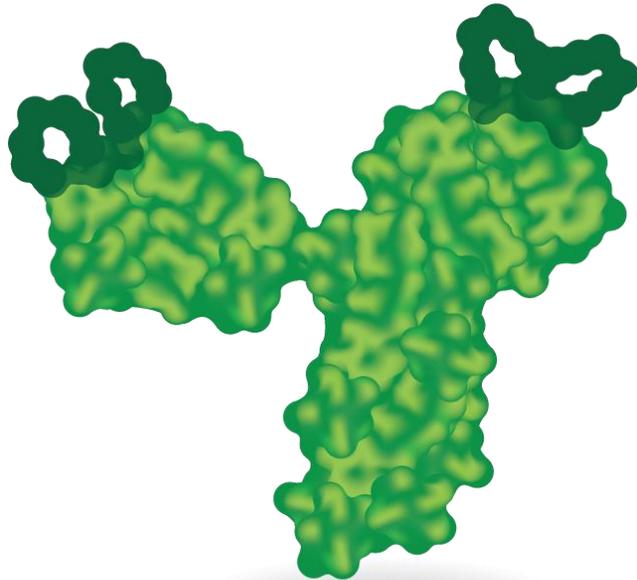
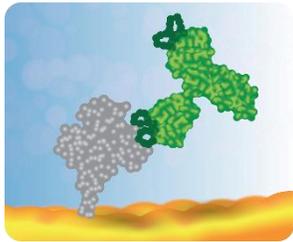
DARPin® Engine

- DARPin® Difference: test novel therapeutic design
- Proof of DARPin® candidates in eye and systemically
- Fast and cost effective drug discovery engine

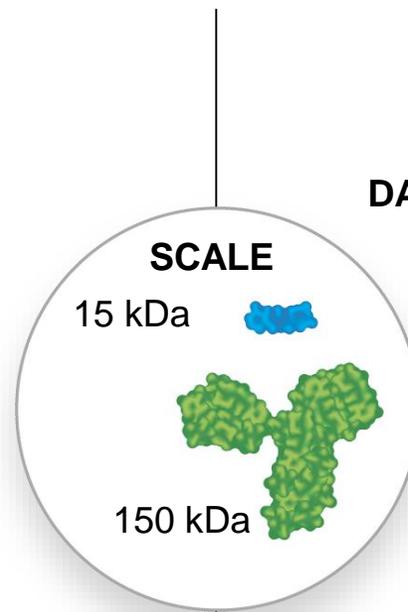
DARPin® Proteins: Beyond Target Space of Antibodies

MONOCLONAL ANTIBODIES

Binding regions / specificity



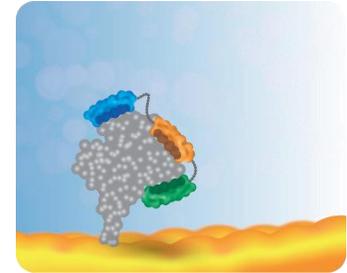
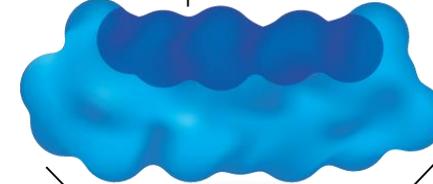
- High affinity and specificity
- Large size: 150 kDa
- Complex architecture: 4 proteins with 12 domains
- Target binding via flexible surface loops (CDRs)
- Long half-life



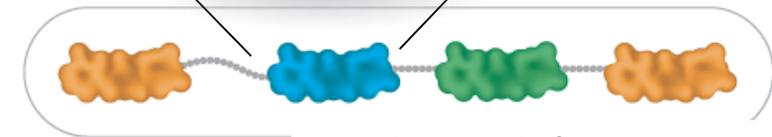
DARPin® Protein(s)

DARPin® module

Binding region / specificity



Opportunity to explore **unique architectures** to test novel **therapeutic designs**



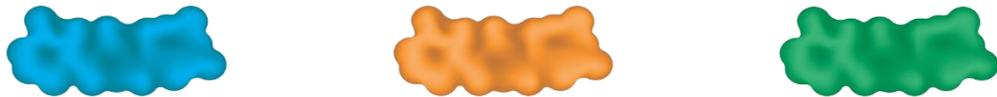
Multi-DARPin® product candidate

- High affinity and specificity
- Small size: 15 kDa (1/10 of monoclonal antibody)
- Simple architecture: 1 protein with 1 domain
- Target binding via rigid surface structure
- Tunable half-life

Modular Approach to Customized Drug Candidates

Building blocks

DARPin® modules



Peptide linkers: Short, long, flexible, rigid

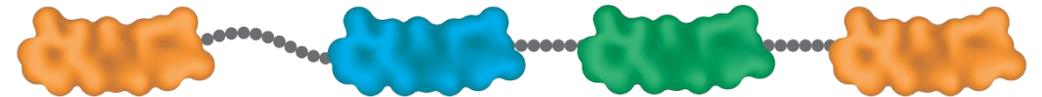


Non-DARPin® element (chemical, toxin or other proteins)

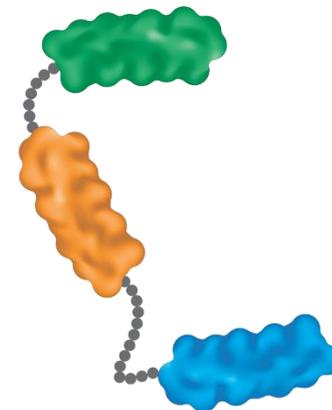


Candidates

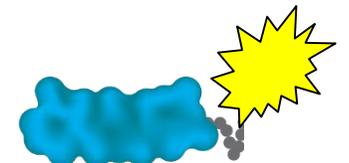
Multi-DARPin® product candidate (e.g. MP0250, MP0274)



High flexibility permits binding with complex geometries

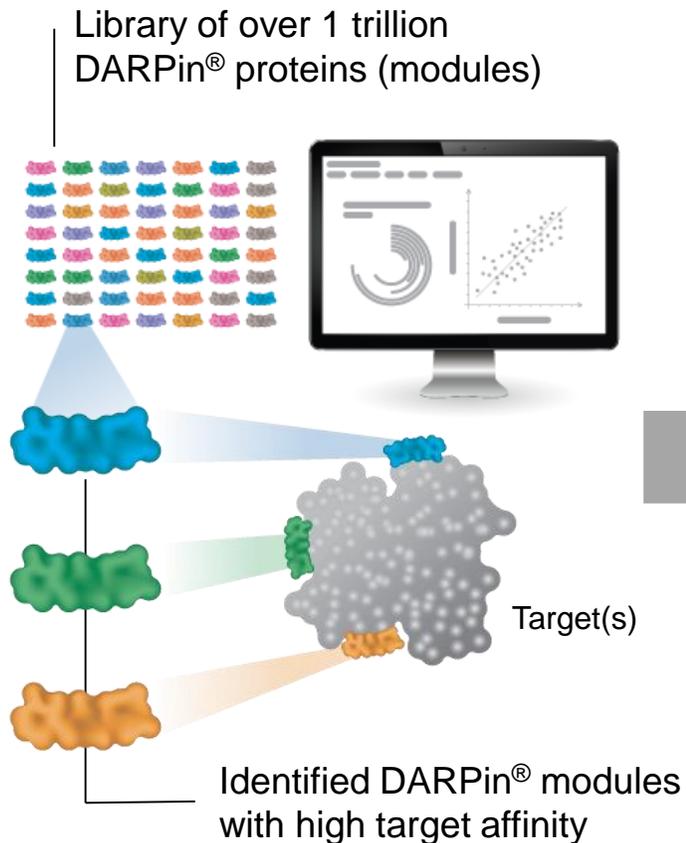


DARPin® module conjugated to non-DARPin® element

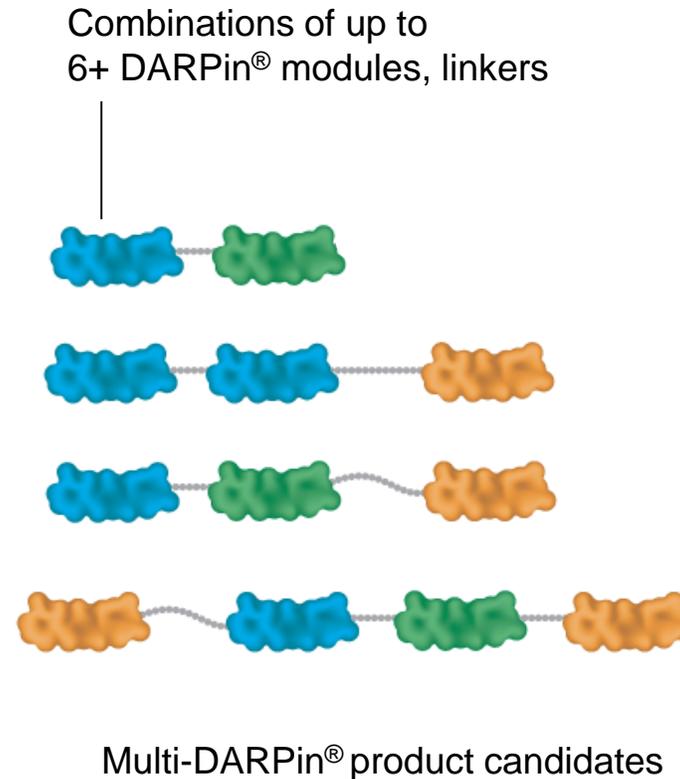


DARPin® Engine: Rapid Screening and Discovery, Flexible Design, Tailored to Therapeutic Need

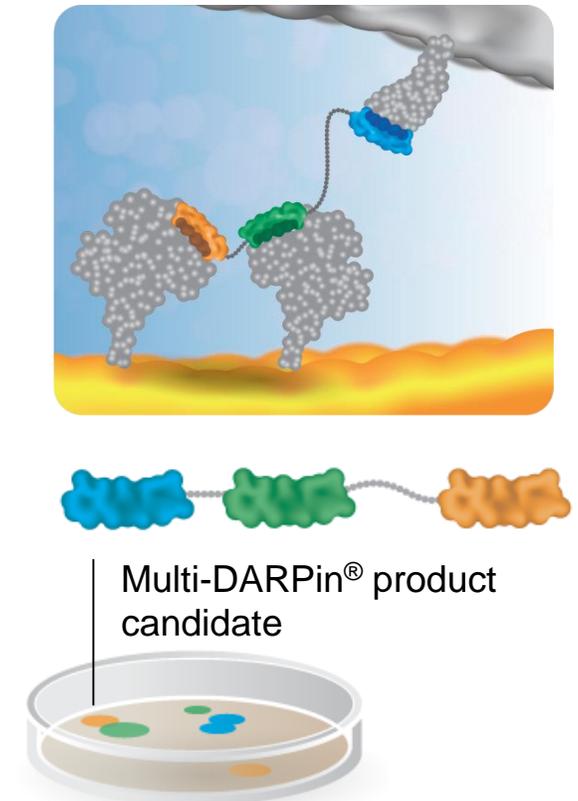
DARPin® module selection



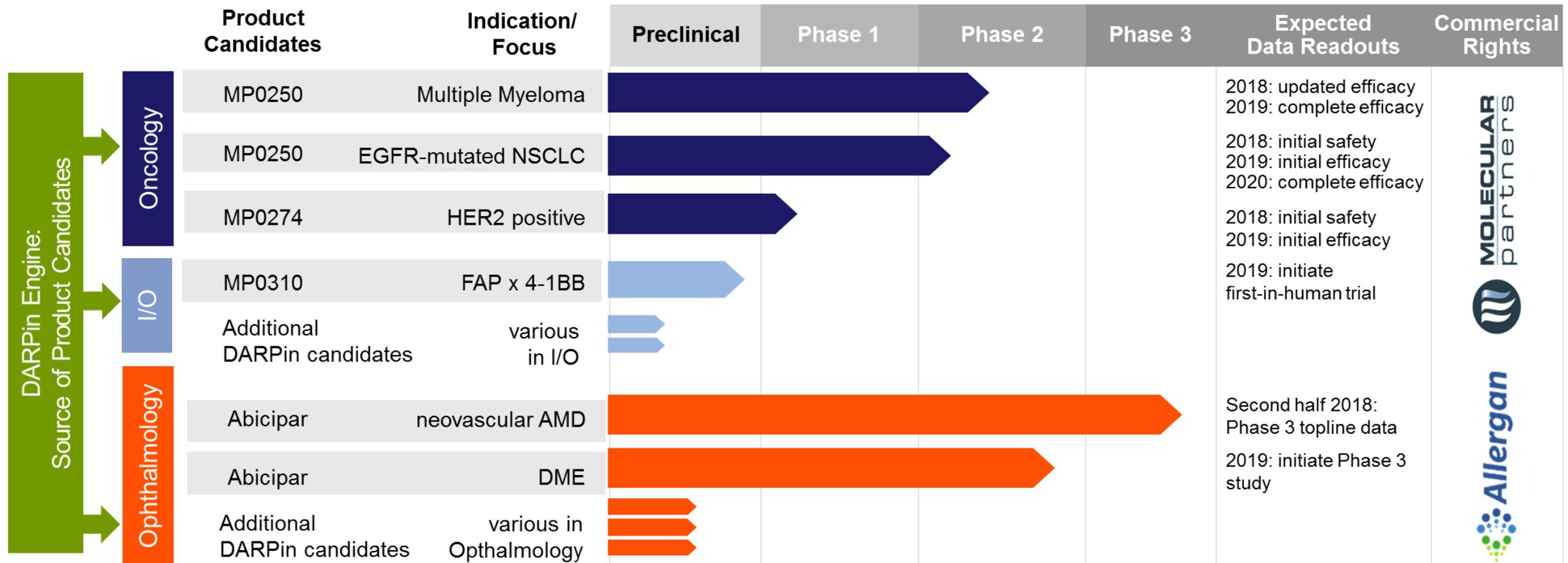
Screening multi-DARPin® space of up to 10,000 functional combinations



Identifying novel therapeutic designs

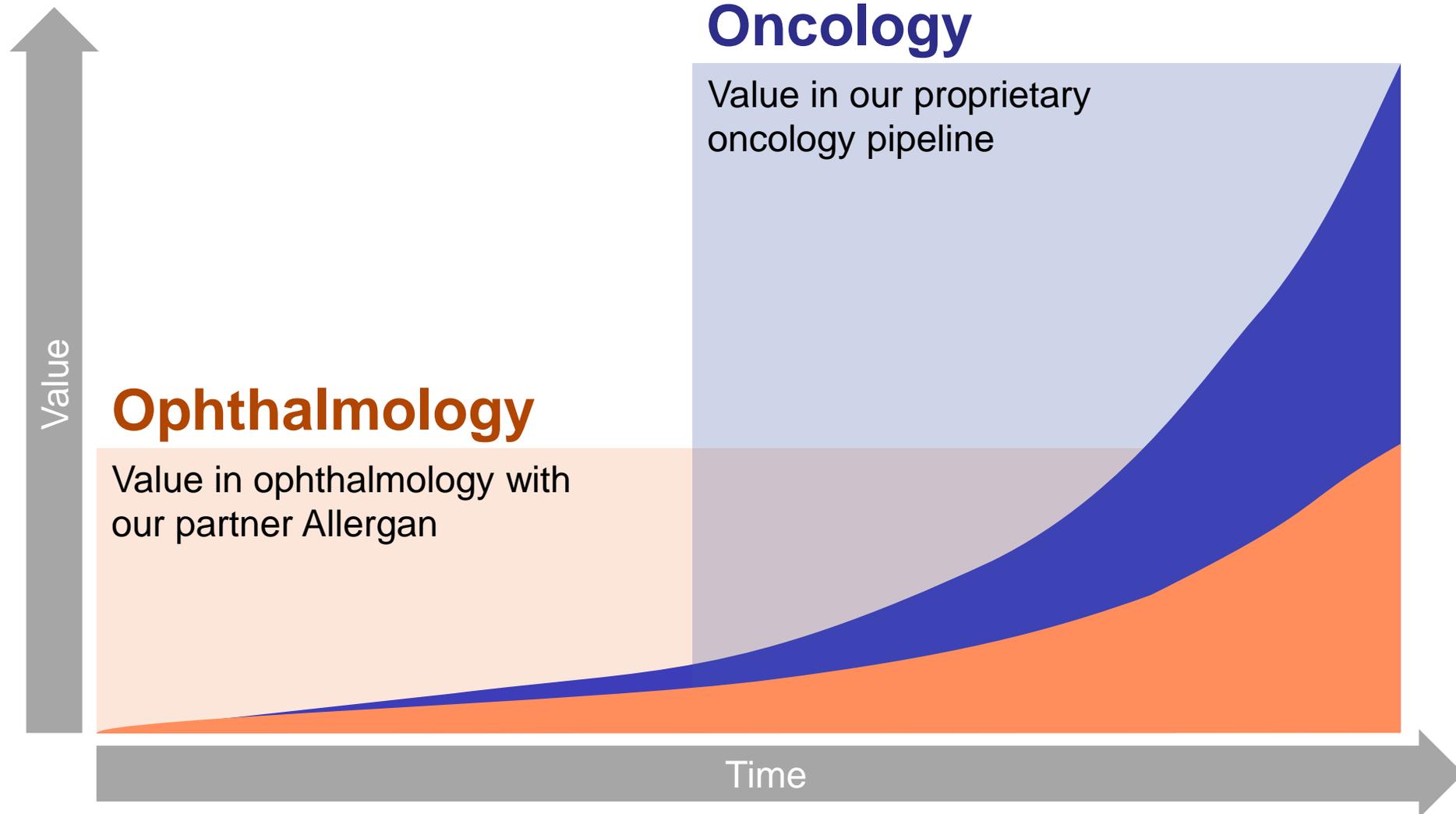


Pipeline: A Balanced and Robust Portfolio



AMD: age-related macular degeneration; DME: diabetic macular edema; NSCLC: non-small cell lung cancer

Ready to Capture Value Beyond Ophthalmology



Investment Case and Key Messages

- Successful transition from DARPin[®] platform into **clinical oncology company**:
 - **MP0250** (Phase 2) demonstrated initial activity in MM and is progressing in NSCLC (EGFR-mut)
 - MP0274 (Phase 1) ongoing in Her2+ cancers
 - MP0310 selected as 1st development candidate (preclinical) from **I/O DARPin[®] toolbox**
- **Abicipar** Phase 3 in nAMD progressing with partner Allergan:
 - Top-line data demonstrated **non-inferiority of abicipar Q12 vs Lucentis Q4 dosing**
 - Further optimized formulation is being tested to reduce inflammation (MAPLE trial)
- Financed into 2020 (excluding any abicipar-related proceeds), capturing key value inflection points
- Keep on forward integrating towards late-stage development and the market

DARPin[®] is a registered trademark owned by Molecular Partners AG.

Multiple Value Inflection Points Ahead

	2018	2019	2020
Abicipar	nAMD: 1-y Ph 3 efficacy 	Data from further optimized formulation (MAPLE trial) H1/19 FDA filing planned for H1/19 DME: Ph 3 expected start	nAMD: expected launch
MP0250	MM: initial efficacy NSCLC: initial safety	MM: efficacy NSCLC: initial efficacy	NSCLC: efficacy
MP0274	Initial safety	Initial efficacy	
MP0310	Preclinical data	FIH	
Funding into 2020 (excl. any abicipar related proceeds)			

Appendix



Experienced Management Team & Board of Directors

Executive Management



Dr. Patrick Amstutz, CEO

- Co-founder, former CBO & COO
- **Member of the Board of Directors**
- PhD in molecular biology from UZH



Dr. Andreas Harstrick, CMO, MD

- 30 years of experience in oncology
- Developed multiple mAb oncology products
- Senior positions at Merck-Serono, Imclone, Eli Lilly



Dr. Michael Stumpp, COO

- Co-founder
- PhD and postdoc from UZH; research in Tokyo, London



Andreas Emmenegger, CFO

- Former CFO Glycart, Finance Roles at Roche
- >20 years experience as CFO of private & listed companies and in fund raising, IPOs



Dr. Pamela Trail, CSO

- >30 years of experience in directing cancer drug discovery at leading global pharma companies

Board of Directors



Bill Burns, Chairman

- Former CEO of Roche Pharmaceuticals
- Former board member of Roche, Genentech, Chugai Pharmaceuticals, Shire



Göran Ando, Vice Chairman

- Former Chairman, Novo Nordisk
- Former CSO, Pharmacia



Gwen Fyfe

- Former VP, Oncology Development at Genentech



Steven H. Holtzman

- President and CEO, Decibel Therapeutics
- Former EVP, Biogen



William "Bill" Lee

- EVP Research, Gilead

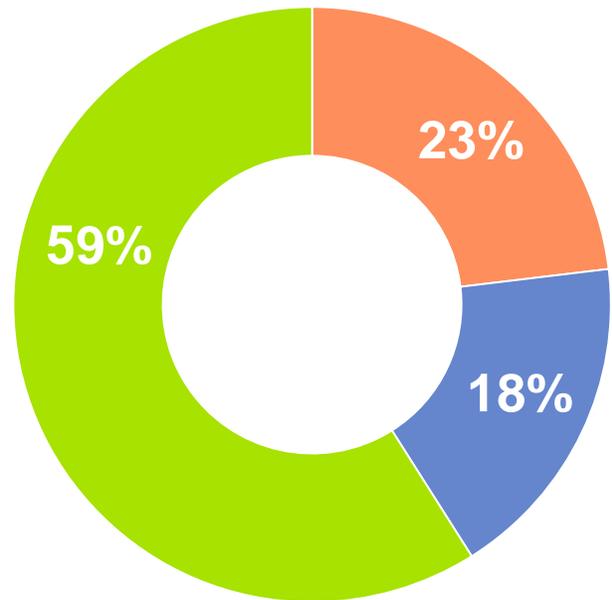


Petri Vainio

- Managing Director, Essex Woodlands Ventures

Shareholder Structure

Shareholder structure as of June 30, 2018



- Pre-IPO investors (4 VC's)
- Management, Board, Founders
- Others

Highlights

- VC holdings halved vs. end 2016 to 23%
- Listed on SIX Swiss Exchange (SIX: MOLN)
- Included in key indices: SPI, SPI Extra, SXI Life Sciences and SXI Bio+Medtech
- 21,180,138 shares outstanding
- Ca. CHF 486 million market cap. as of June 30, 2018
- No lock-up restrictions in place
- Formal free float as per SIX definition: 84%

IR Agenda

<i>Date</i>	<i>Event</i>
November 1, 2018	Q3 2018 Management Statement
December 6, 2018	R&D Day in New York
February 7, 2019	Publication of Full-year Results 2018 (unaudited)
March 15, 2019	Expected Publication of Annual Report 2018
April 16, 2019	Annual General Meeting

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