ATACs: Unique new mode of action to fight cancer

Inv€$tival Showcase - 13th November 2023
Safe harbor

Forward looking statements

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Such factors include, among others, the following: uncertainties related to results of our clinical trials, the uncertainty of regulatory approval and commercial uncertainty, reimbursement and drug price uncertainty, the absence of sales and marketing experience and limited manufacturing capabilities, attraction and retention of technologically skilled employees, dependence on licenses, patents and proprietary technology, dependence upon collaborators, future capital needs and the uncertainty of additional funding, risks of product liability and limitations of insurance, limitations of supplies, competition from other biopharmaceutical, chemical and pharmaceutical companies, environmental, health and safety matters, availability of licensing arrangements, currency fluctuations, adverse changes in governmental rules and fiscal policies, civil unrest, acts of God, acts of war, and other factors referenced in this communication.

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Management team with strong pharma and R&D experience

Dr. Jan Schmidt-Brand
CEO
Heidelberg Pharma since 2001
30 years experience in commercial and financial leadership positions in pharma and chemical companies, including BASF

Dr. András Strassz
CMO
Heidelberg Pharma since 2020
More than 15 years experience in clinical drug development including roles at Sandoz, Amgen and biotech companies

Prof. Dr. Andreas Pahl
CSO
Heidelberg Pharma since 2012
Professor of Pharmacology and Toxicology at the University of Erlangen-Nuremberg (FAU) with 25 years experience in research and higher education

Dr. George Badescu
CBO
Heidelberg Pharma since 2018
More than 15 years experience in industry roles including leadership positions at Abzena

Walter Miller
CFO
Heidelberg Pharma since 2023
More than 20 years of experience in corporate finance, M&A, strategic controlling, accounting and corporate development

Dr. Jörg Kemkowski
COO
Heidelberg Pharma since 2023
More than 30 years experience in human and animal healthcare industry in different R&D leadership positions
Strong in-house R&D capabilities and expertise

Synthetic chemistry
Antibody generation & bioconjugation
Preclinical testing
CMC
Bioanalytical sciences
Clinical Development

We are able to generate the best ADC candidate in the shortest time
Key achievements

**Differentiated ADC Technology**
- In Plug & Play mode
- 2 years from target to IND

**GMP Manufacturing**
- Fully synthetic process
- 5 GMP batches completed

**Clinical Stage**
- 1 Phase 1 ongoing
- 2 additional INDs in the next year

**Strong IP**
- Several IP families
- Monopoly in the Amanitin/MOA space

**Strategic partnerships**
- Huadong: China-focused partnership
- Takeda: ATAC technology partnership

**Corporate & Finance**
- Experienced leadership team
- Cash (runway): EUR 50.7m* (mid-2025)

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* as per end of August (Q3 published results)
Value creation through development of best-in-class ADC assets

Discovery & development engine

- Multiple targets
- Antibodies
- Development Expertise
- Toolbox of proprietary payloads

Scouting
Partnering
In-licensing

Partnering at IND-ready, First clinical data, EOP1, Clinical POC

Co-Development

Upside: Retain territorial rights for potential commercialization

We are NOT a Target ID Company
We are NOT Ab Discovery Company
Resistance is one of the biggest challenges in oncology

1 in 2 people will be diagnosed with cancer in their lifetime

> 90% of cancer deaths are caused by drug resistance
The journey of many cancer patients

We need new drugs with new mode-of-action to overcome resistance
The Payload MOA is what makes the difference!

Enhertu®
Payload: deruxtecan (Topo 1 inhibitor)

Kadcyla®
Payload: emtansine (Tubulin inhibitor)

Same target (Her2), same antibody (Trastuzumab), same patient population

Amanitin: Novel payload with novel MoA to overcome resistance

<table>
<thead>
<tr>
<th></th>
<th>Tubulin inhibitors e.g. Maytansines &amp; Auristatines</th>
<th>DNA-damaging agents e.g. PBDs, PDDs, IGNs, Calicheamicin, Duocarmycins</th>
<th>Topoisomerase inhibitors e.g. Camptothecins, Deruxtecan, SN-38</th>
<th>RNA polymerase inhibitors</th>
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Amanitin has a mechanism of cytotoxicity that is radically different from that of conventional chemotherapy
ATACs are ADCs with amanitin as a payload

Amanitin as warhead
- Differentiated mechanism of action: inhibition of RNA Polymerase II
  - Kills dormant tumor cells
  - Overcomes resistance
  - Predictive biomarker
- Synthetic amanitin derivatives with improved properties
- GMP manufacturing through fully synthetic process

Antibody
- Targeting tumor antigen

Site-specific conjugation
- Proprietary conjugation sites
- Reduced Fcγ-receptor binding for improved therapeutic index (TI)
- Excellent stability in circulation
- Drug-Antibody Ratio (DAR) = 2.0
ATACs overcome resistance to current ADCs

Breast cancer model (JIMT-1 Xenograft) is resistant to Kadcyla® and Enhertu®

Trastuzumab ATAC leads to complete remission in resistant model after single-dose
## Growing pipeline of proprietary and partnered programs

<table>
<thead>
<tr>
<th>Product</th>
<th>Target</th>
<th>Indication</th>
<th>Research</th>
<th>Preclinical</th>
<th>Phase I</th>
<th>Phase II</th>
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<tr>
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<td>Multiple Myeloma</td>
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### ATAC partners

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<th>Product</th>
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<th>Preclinical</th>
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### Legacy assets

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<th>Preclinical</th>
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<tr>
<td>TLX250</td>
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First-in-human clinical trial with an ATAC ongoing
HDP-101: anti-BCMA-ATAC for multiple myeloma

2022/23
FPI
Dose escalation in MM patients

2024
RP2D
Non-stratified MM patients

2025
Expansion cohorts
Del(17p) stratified
Assess accelerated approval option
Registrational cohort

2026
BLA

Overall Survival:
_standard risk_:
110 months

Del(17)p:
47 months

High unmet medical need – overall survival of del(17)p patients is less than half vs. standard risk
# ATACs promise significant clinical benefits

## Unique preclinical features of ATACs

- Efficacious against dormant tumor cells
- Efficacious in ultra-low target-expressing tumor cells
- Novel MoA to which all patients will be naïve
- Neither hematologic nor ocular toxicity seen for Amanitin or HDP-101
- Enhanced efficacy in high-risk del(17p) tumors

## Potential clinical benefit

- Longer PFS and MRD negativity
- Deeper responses and higher ORR
- Overcome resistance
- Superior safety profile
- Breakthrough designation and accelerated approval

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## ATACs have best-in-class potential

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Partner Projects
Partner Projects

Strategic partnership with Huadong Medicine (February/September 2022)

Exclusive licensing agreement for Asia*

- Exclusive license for HDP-101 and HDP-103; deal value: up to USD 469 m + royalties
- Exclusive option for HDP-102 and HDP-104; deal value: up to USD 461 m + royalties

Investment Agreement

- Equity investment of € 105 m in Heidelberg Pharma

ATAC Technology Collaborations

License agreement for an ATAC with Takeda (September 2022):

- Worldwide exclusive license for an ATAC against an undisclosed target.

* People’s Republic of China, Hong Kong, Macao, Taiwan, South Korea, Indonesia, Singapore, The Philippines, Thailand, Bangladesh, Bhutan, Brunei, Myanmar, Cambodia, Laos, Malaysia, Maldives, Mongolia, Nepal and Vietnam; excludes Japan, India, Pakistan, Sri Lanka
Highlights Legacy Portfolio: TELIX

TLX250-CDx is Progressing towards Market Approval

TLX250-CDx ($^{89}$Zr-girentuximab) (imaging) enables accurate diagnosis of clear cell renal cell carcinoma (ccRCC)

Pivotal Phase III study (ZIRCON) reported positive results in November 2022
- Global multicenter phase III trial with 300 patients with renal masses - completed
- Pivotal trial met all endpoints

Next steps:
- Filing for regulatory approval with the FDA and other agencies
- Planned approval and launch in ccRCC in 2024
- Estimated peak annual revenue for Heidelberg Pharma from US alone: > $100 m*

Indication expansion:
- Ongoing phase II studies in bladder cancer and in triple-negative breast cancer

TLX250 ($^{177}$Lu-girentuximab) (therapy) – ongoing phase II studies in kidney cancer

*Based on estimated initial addressable market in the US, published by Telix
Outlook

• We are a clinical-stage company with the goal of becoming a leading global ADC player

• Multiple inflection points over the next 36 months with potential to many-fold increase of company valuation
Investment opportunity

Solid cash runway until mid 2025 supports execution of ongoing programs and clinical validation of ATACs

• Additional financing required to reach multiple value inflection points across our portfolio until end of 2026
• (Bridge-) Financing until non-dilutive funding becomes available through licensing income and royalties
• Develop portfolio potential in full and without delay
• Accelerate business transformation from R&D to market focused company
• Flexible financing structure possible