


WPD. 
Pharmaceuticals

Beyond Glioblastoma

June 2025

Facts & Market

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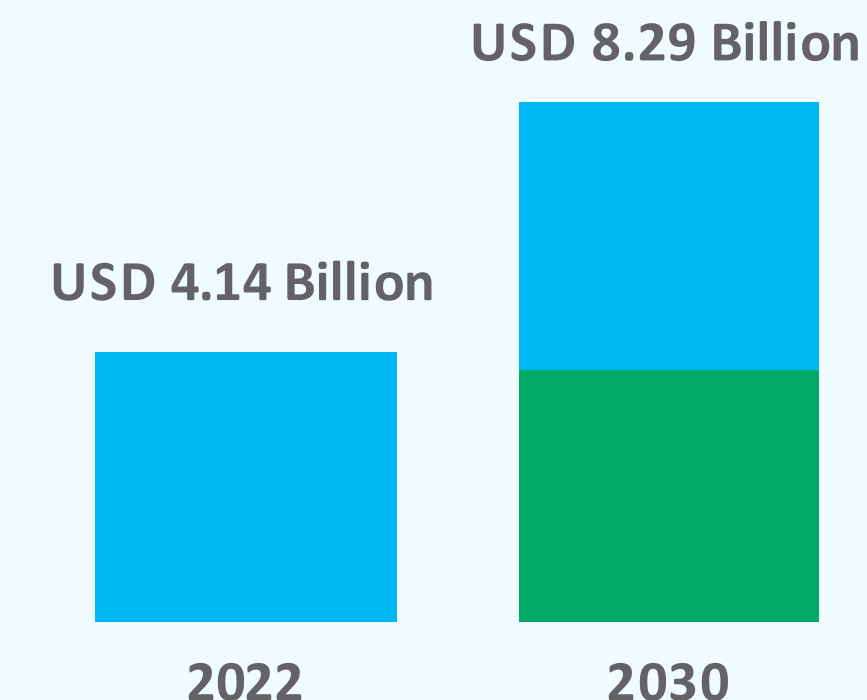
WPD Pharmaceuticals is executing a uniquely de-risked and capital-efficient development strategy for WPD401, a promising targeted therapy for glioblastoma and other hard-to-treat tumors.

Through a dual agreement structure—a global, exclusive license and a research collaboration—with Wake Forest University and the lab of Prof. Waldemar Debinski, a pioneer in brain tumor therapeutics, WPD is not only securing exclusive commercial rights but also co-developing the asset through non-dilutive funding mechanisms.

Glioblastoma, one of the most aggressive and heterogeneous cancers, serves as a strategic Phase 0 study for WPD401 in other cancers. This intentional choice enables WPD to accelerate the path to clinic for broader oncology indications, positioning glioblastoma as a fast-track model to gather human safety and preliminary efficacy data.

Global Glioma Treatment market

Market forecast to grow at a CARG of 9.1%



<https://www.researchandmarkets.com/reports/5892901>

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Glioblastoma Facts & Market

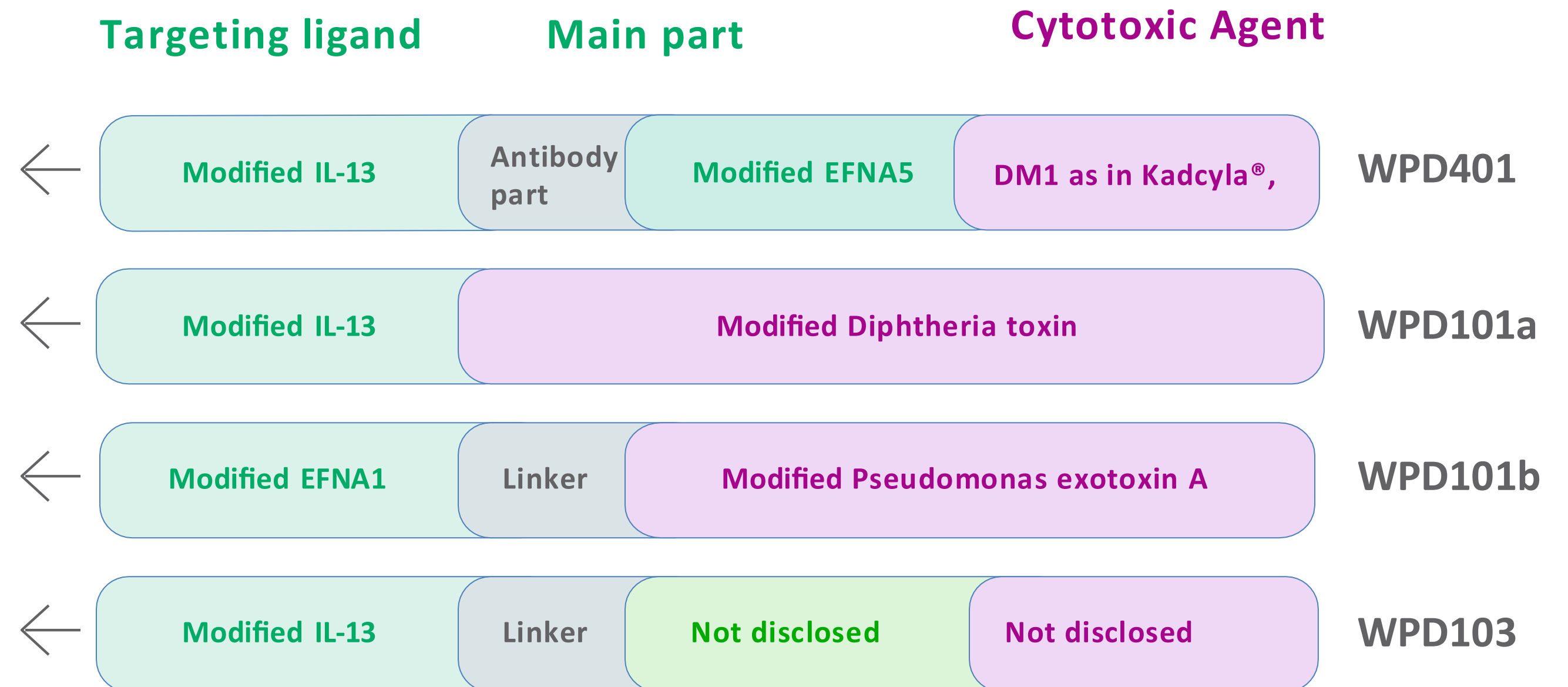
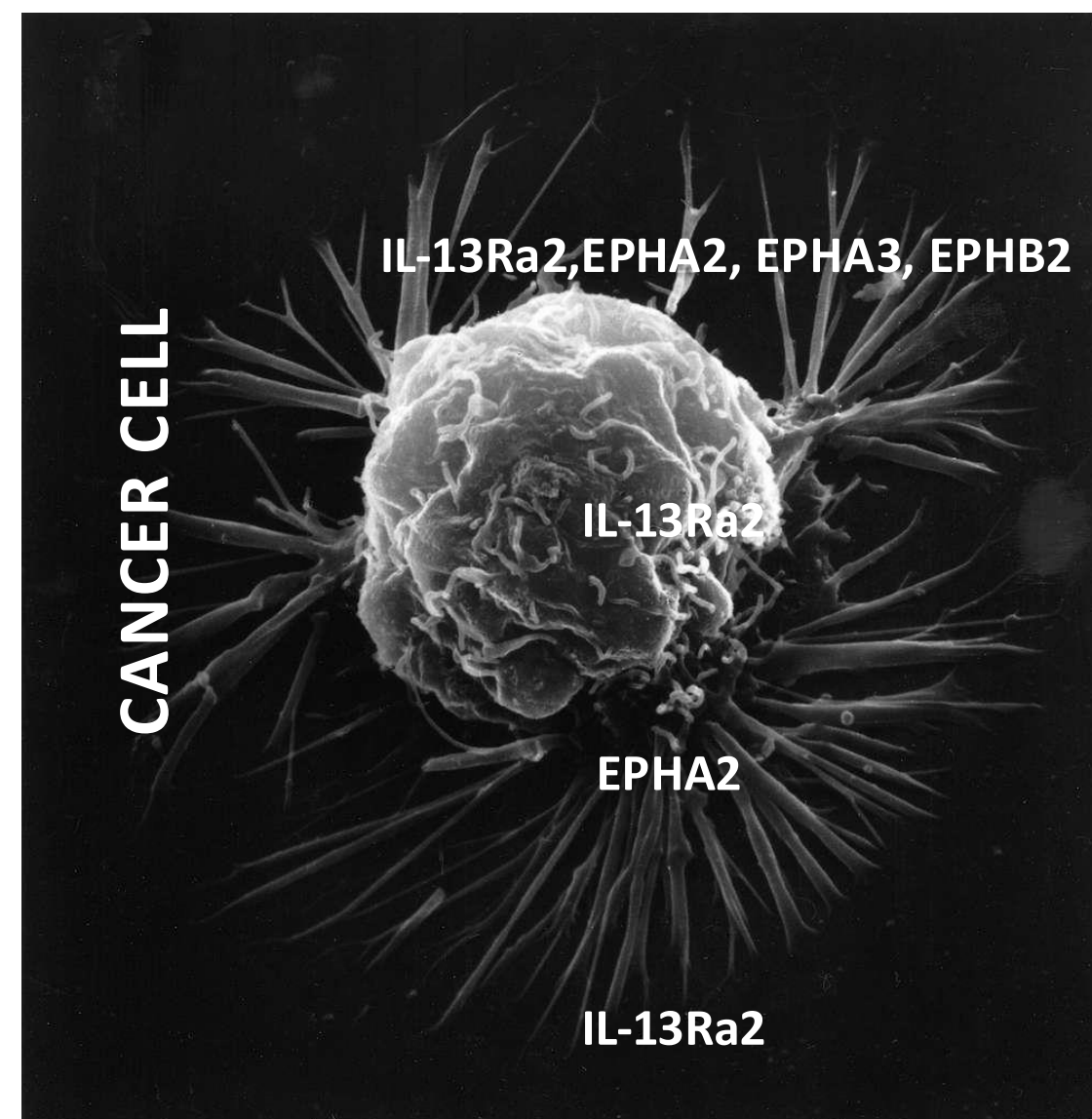
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YEAR / PARTIES	CLINICAL PHASE	DEAL TYPE	DRUG / INDICATION	UPFRONT	MILESTONES	ROYALTIES
2024 (DAY ONE → IPSEN)	PHASE II COMPLETE; FDA APPROVED	EXCLUSIVE LICENSE (EX-USA)	TOVORAFENIB (PLGG)	\$111M	UP TO \$350M	TIERED, DOUBLE-DIGIT
2021 (AGIOS → SERVIER)	PHASE III STARTED	ONCOLOGY DIVISION ACQUISITION	VORASIDENIB	\$1.8B	\$200M	YES (UNDISCLOSED %)
2021 (ONCOCEUTICS → CHIMERIX)	PHASE III	COMPANY ACQUISITION	ONC201 / DORDAVIPRONE	\$78M	UP TO \$360M	YES (UNDISCLOSED %)
2019 (MIMIVAX → FOSUN, CHINA)	PH II USA / PH I CHINA	REGIONAL LICENSE (CHINA)	SURVAXM	\$10M	\$138M	N/D (~10–15%)
2016 (GENENTECH → KAZIA)	PH I COMPLETE; PH II PLANNED	GLOBAL EXCLUSIVE LICENSE	PAXALISIB	\$5M	N/D	STANDARD TERMS
2021 (KAZIA → SIMCERE, CHINA)	PHASE II COMPLETE	REGIONAL LICENSE (CHINA)	PAXALISIB	\$11M	UP TO \$281M	MID-TEENS (~15%)
2021 (LINEAGE → IMMUNOMIC)	PHASE I STARTED	GLOBAL LICENSE + CO-DEV	VAC2 IMMUNOTHERAPY	\$2M	UP TO \$67M	UP TO 10%
2025 (ClearPoint Neuro, Inc. and Oberland Capital Management)	MULTIPLE PH I	INVESTMENT	Brain Drug Delivery Device	\$30M	UP TO \$75M	NA

Solution: antibody –like conjugates –

4 Targets : IL-13Ra2, EPHA2, EPHA3, EPHB2

Technology validated in dogs with spontaneous malignant gliomas



The Phase I clinical trial in dogs with spontaneous malignant gliomas

The study involved 17 dogs diagnosed with glioma and positively tested for IL-13Ra2 (17/17) or/and EPHA2 (11/17) receptors. The dogs received treatment with increasing doses of IL-13- and ephrin-A1-based cytotoxins delivered through the convection-enhanced (CED) method, ensuring consistent intratumoral delivery of the cocktail. The median coverage of the tumor was 70% (ranging from 40-94%), and no dose-limiting toxicities were observed. After 42 days of treatment, 15 out of 16 dogs showed a reduction in tumor size, with a median reduction of 42% (ranging from 5-94%). Objective tumor responses were observed in 8 out of 16 (50%) dogs, with a median tumor volume reduction of 79% (ranging from 65-94% of tumor volume regression).

The authors concluded that the CED of IL-13RA2/EPHA2 targeting cytotoxins at concentrations ranging from 0.05-1.6 ug/mL was safe and resulted in clinically relevant responses in 50% of dogs with gliomas, highlighting the practical implications of the study.



JOURNAL ARTICLE

Phase I trial of convection-enhanced delivery of IL13RA2 and EPHA2 receptor targeted cytotoxins in dogs with spontaneous intracranial gliomas

John H Rossmeisl, Denise Herpai, Mindy Quigley, Thomas E Cecere, John L Robertson, Ralph B D'Agostino, Jonathan Hinckley, Stephen B Tatter, Peter J Dickinson, Waldemar Debinski

Neuro-Oncology, Volume 23, Issue 3, March 2021, Pages 422–434,
<https://doi.org/10.1093/neuonc/noaa196>

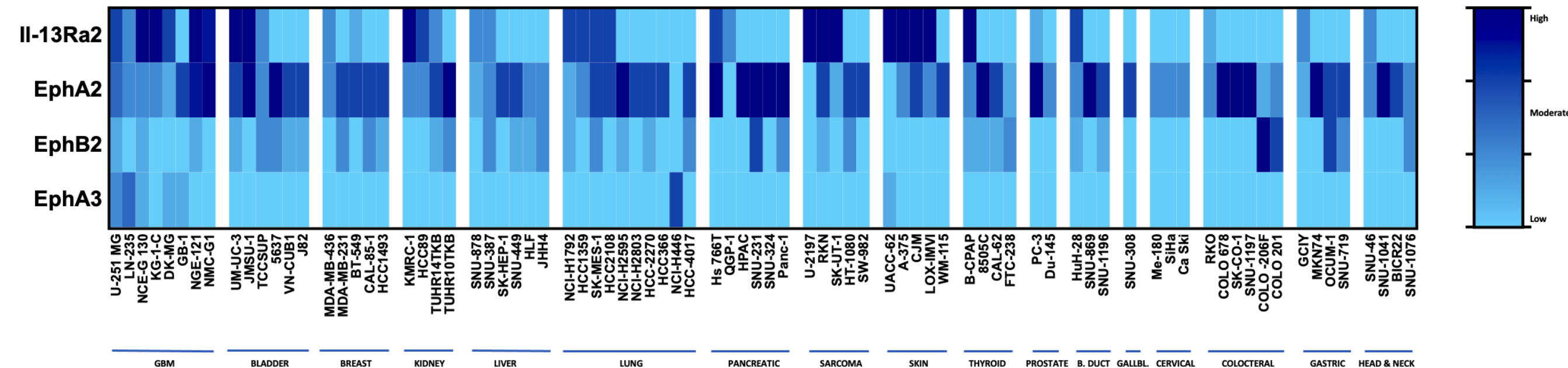
Published: 19 August 2020



Rossmeisl JH, Herpai D, Quigley M, Cecere TE, Robertson JL, D'Agostino RB, Hinckley J, Tatter SB, Dickinson PJ, Debinski W. Phase I trial of convection-enhanced delivery of IL13RA2 and EPHA2 receptor targeted cytotoxins in dogs with spontaneous intracranial gliomas. *Neuro Oncol*. 2021 Mar 25;23(3):422-434. doi: 10.1093/neuonc/noaa196. PMID: 32812637; PMCID: PMC7992889. (<https://pubmed.ncbi.nlm.nih.gov/32812637/>)



Convection Enhanced Delivery (CED)



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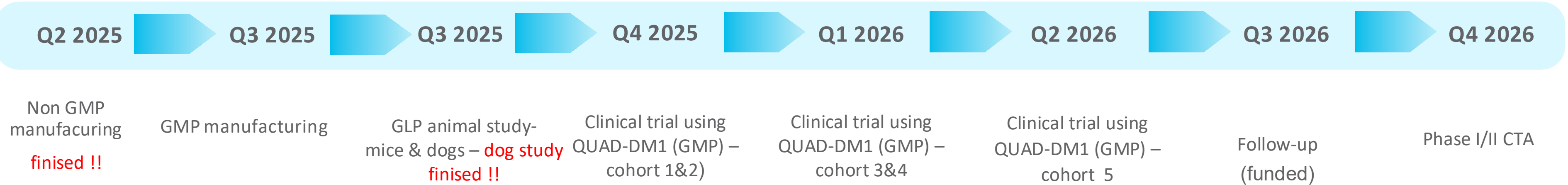
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*Please note that the first medicinal product delivered by CED (UPSTAZA) was approved by EMA/MHRA before the FDA.

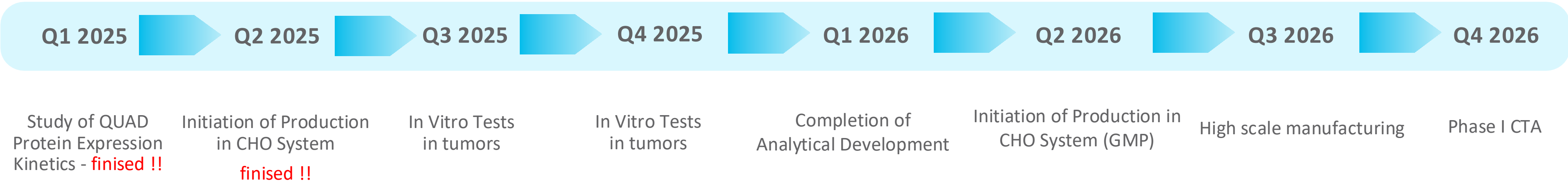
Timeline 2025-2026



WPD Activities Glioblastoma



Recent financing rounds were supported primarily through **non-dilutive grant funding** and **a bridge round backed by a medtech VC partner**.

WPD Activities Other Cancers





WPD

Pharmaceuticals



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