



#### From discovery to IND in neuro-oncology



### A preclinical drug-development company focusing on building a comprehensive anti-brain tumor portfolio





Louis-Marie BACHELOT, CEO Biotech entrepreneur, MA, MSc



Claire LEPINOUX-CHAMBAUD, Head of Research Neurosciences researcher, PhD

Paul BALDWIN, Head of Pharm. Development R&D manager, B.Pharm., PhD

#### Scientific & Medical Advisory Board

**J. EYER, PhD** Research Director INSERM 1066 / CNRS 6021 Angers University

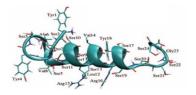
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J-P BIZZARI, MD, PhD Chair New Drug Advisory Committee European Organisation for Research & Treatment for Cancer

J. RICHARD, PhD, HDR Chief Development Officer MedinCell



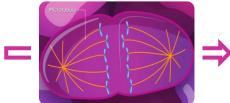
#### GC01: a "best-in-class" anti-tumoral peptide





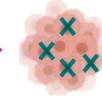
Glioblastoma

cell

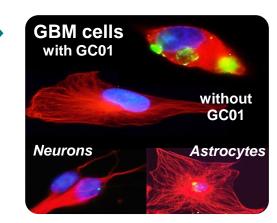


Healthu

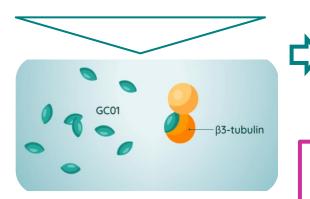
cell



Selective anti-mitotic activity vs other "tubulin binders"



#### $\beta$ 3-tubulin inhibitor



Two patent families delivered WO2005121172 WO2011073207 Strong β3-tubulin expression in various human cancers: including Central Nervous System (CNS) tumors (85%-100%)



# Three formulations to progressively tackle the main and most urgent unmeet medical needs in neuro-oncology



- Systemic use in all patients to prevent primary brain tumors relapse or secondary brain metastases
- Technical batch manufacturing in progress with top European CDMOs



Brain tumor metastases Median survival 6 months 2-year survival < 2% ~ 1,600,000 deaths worldwide per year

Glioblastoma Median survival 15-18 months 5-year survival < 5% ~ 200,000 deaths worldwide per year

Diffuse Midline Glioma Median survival 9 months 2-year survival < 5% ~ 5,000 deaths worldwide per year



## GC01<sub>gel</sub>: Auto-gel in prefilled syringe

- Local deposit during surgery of operable patients
- Preliminary pharmaceutical characterization run in house

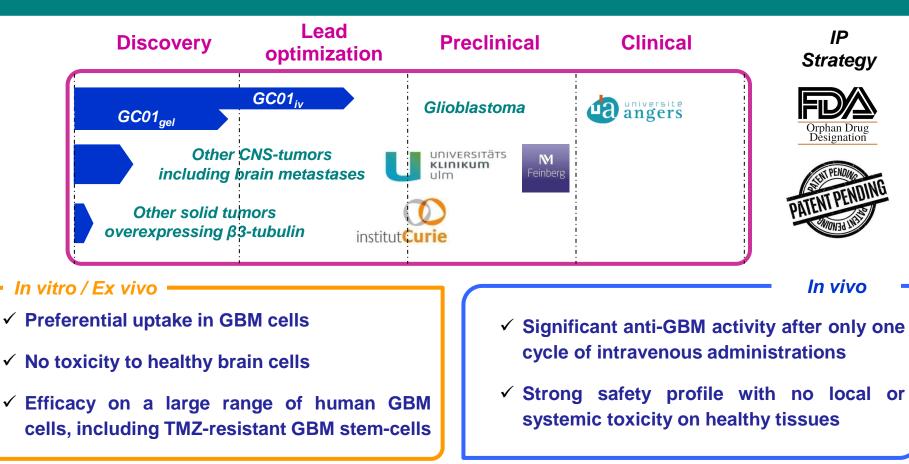


#### GC01<sub>Liposome</sub>: Long-acting i.v. solution

- Systemic use in all patients
- > 3-year collaborative R&D project ongoing



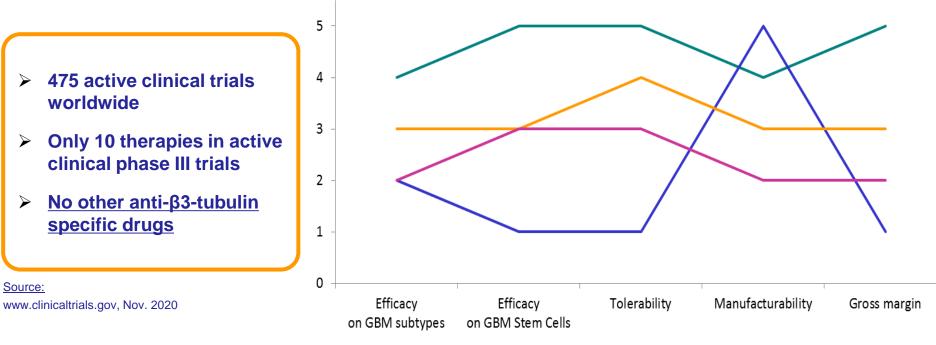
## Development in multiple cancers with glioblastoma as proof of concept



#### February 2021

#### Gli®Cure

### GC01 has the potential to become part of the future Standard of Care



-GC01 -----Chemo-radiation (SoC) -----Targeted therapies -----Immuno-oncology therapies



### Looking for €2 M in equity to develop GC01 until the IND and convince a pharma to sign an early-stage deal



Gli®Cure

## Come to visit us in Angers



## Im.bachelot@gliocure.com +33 (0)6 14 03 38 26 www.gliocure.com

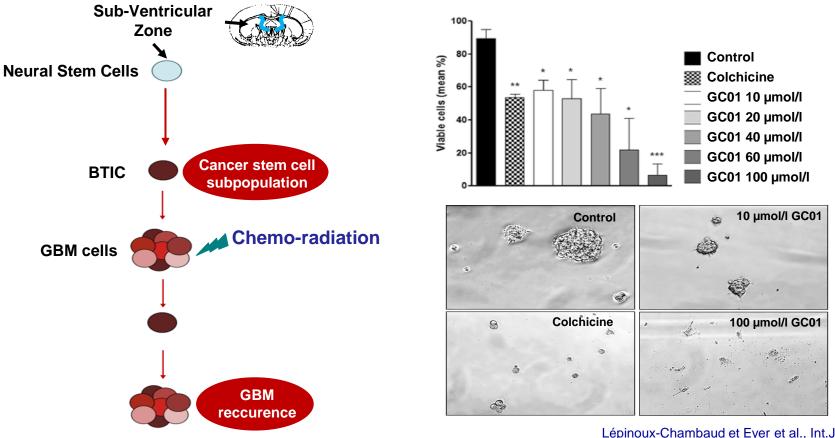


## Appendix 1:

## GC01 proof of concept in glioblastoma

## GC01 shows activity on human GBM stem-cells

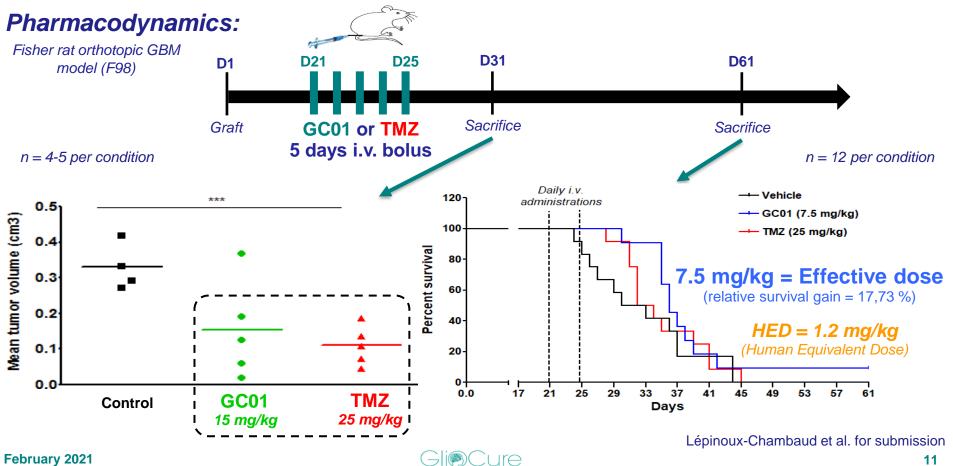
that drive resistance to chemo-radiation and recurrence in patients



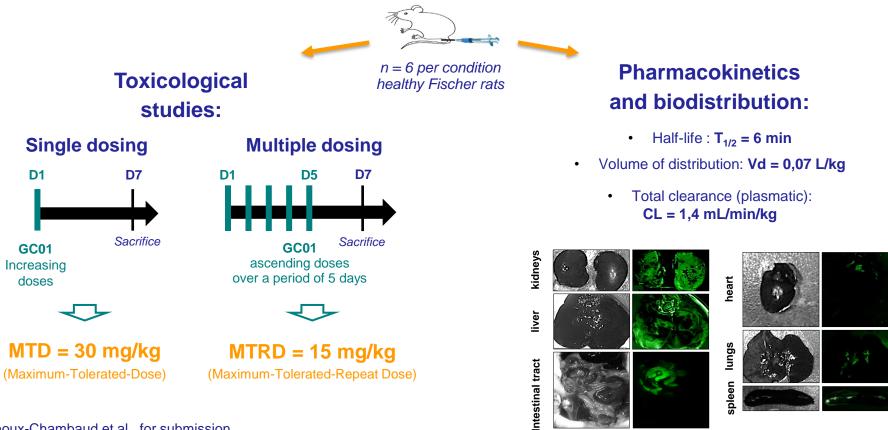
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#### GC01 demonstrates significant anti-GBM activity after only one cycle of iv administrations



#### GC01 has a strong safety profile with no toxicity on healthy tissue



Lépinoux-Chambaud et al., for submission **February 2021** 

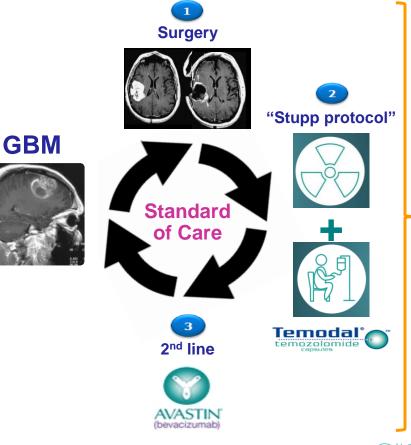


Appendix 2: Development plan, competition and dealflow

#### Glioblastoma (GBM) :

The largest, most urgent, unmet medical need in neuro-oncology

(-JI®)Cure



~ 40% of malignant primary brain tumors

Median survival of 15 to 18 months

5-year survival < 5%</p>

~ 200.000 deaths per year worldwide

#### A clear path to first-in-human studies with risk mitigation and product life cycle managment opportunities

			2021			2022				2023				2024				
			Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	2 Q3	Q4	Q1	Q2 (	23	Q4	
	GC01 Development plan		Br	idge		Serie A	s c	TA/IN	D			Early deal (	-stage optio		cercis ne opt			
	Extension of indications										]							142 000 €
N	GC01iv vs SoC in orthotopic GBM rat model																	50 000 €
WP CONSOLIDATION	GC01 (DS) / GC01iv (DP) research batch, QC method																	140 000 €
	Veterinary clinical trial in GBM bearing dogs GC01iv										]							130 000 €
NSC	Labeled GC01 and PK methods dev. & validation																	60 000 €
8	PK / Biodistribution method development, validation & studies																	110 000 €
Å	uroStars RELIEF project (back-up iv / Life Cycle Management)									630 000 €								
	GC01gel pharmaceutical & pharmacological development																	300 000 €
	GC01iv technical / tox batch manufacturing																	235 000 €
	DS / DP pre-GMP stability																	50 000 €
9	Regulatory toxicology studies (GC01iv EU & US)																	700 000 €
	Orphan Drug Designation Dossiers (EU, US, JP)																	120 000 €
3	IND dossiers (GC01iv EU & US)																	300 000 €
	Other R&D expenses																	765 000 €
	Other General & administrative expenses																	315 000 €
	GC01iv clinical bactch manufacturing																	350 000 €
Ŧ	GC01iv GMP stability study																	60 000 €
WP Fih	First-in-human clinical trials (EU/US)																	3 000 000 €
>	Other R&D expenses																	1 700 000 €
	Other General & administrative expenses																	800 000 €



### Active phase III clinical trials worldwide

Company	Drug name	Mechanism of action					
Abbvie	ABT-414 (Depatuxizumab Mafodotin)	EGFR targeting and antimitotic activity (TUBB) via nucleotide exchange blocker (GDP for GTP)					
Bayer	Regorafenib	Anti-angiogenic activity					
Bristol-Myers Squibb / ONO	Nivolumab	Anti-PD1 monoclonal antibody					
Celgene	Marizomib	Proteasome inhibitor					
Denovo Biopharma (Lilly)	Enzastaurin Hydrochloride	Serine/Threonine kinase inhibitor of the PKC beta and AKT pathways					
Diffusion Pharmaceuticals	Trans Sodium Crocetinate	Ttissue re-oxygenation					
Johnpro Biotech	TMZ + Rapamycine + chloroquine	Lysosome-dependent apoptotic cell death					
Laminar Pharmaceuticals	LP561A1 (2-hydroxyoleic acid)	SphingoMyelin Synthase 1 (SMS1) activator with Ras signalling modulator effects					
Safe Save Medical Cell Sci. & Tech.	Autologous Dendritic Cell / Tumor Antigen	Adjuvant immunotherapy					
Sichuan J.Z. Bio-chemical Sci. and Tech. Dev.	Chlorogenic acid (CHA)	Immunoregulation (repolarizating macrophage from M2 to M1 phenotype)					



# Worldwide strategic alliances & licensing agreements for glioblastoma at phase I and phase II stages.



Total Deal	otal Deal Count Average Deal Value (M USD)		ront Average Milestone JSD) Payments (M USD)
60	300,75	57,18	390,38

GlobalData, Pharma Intelligence Center extract, June 2018

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