

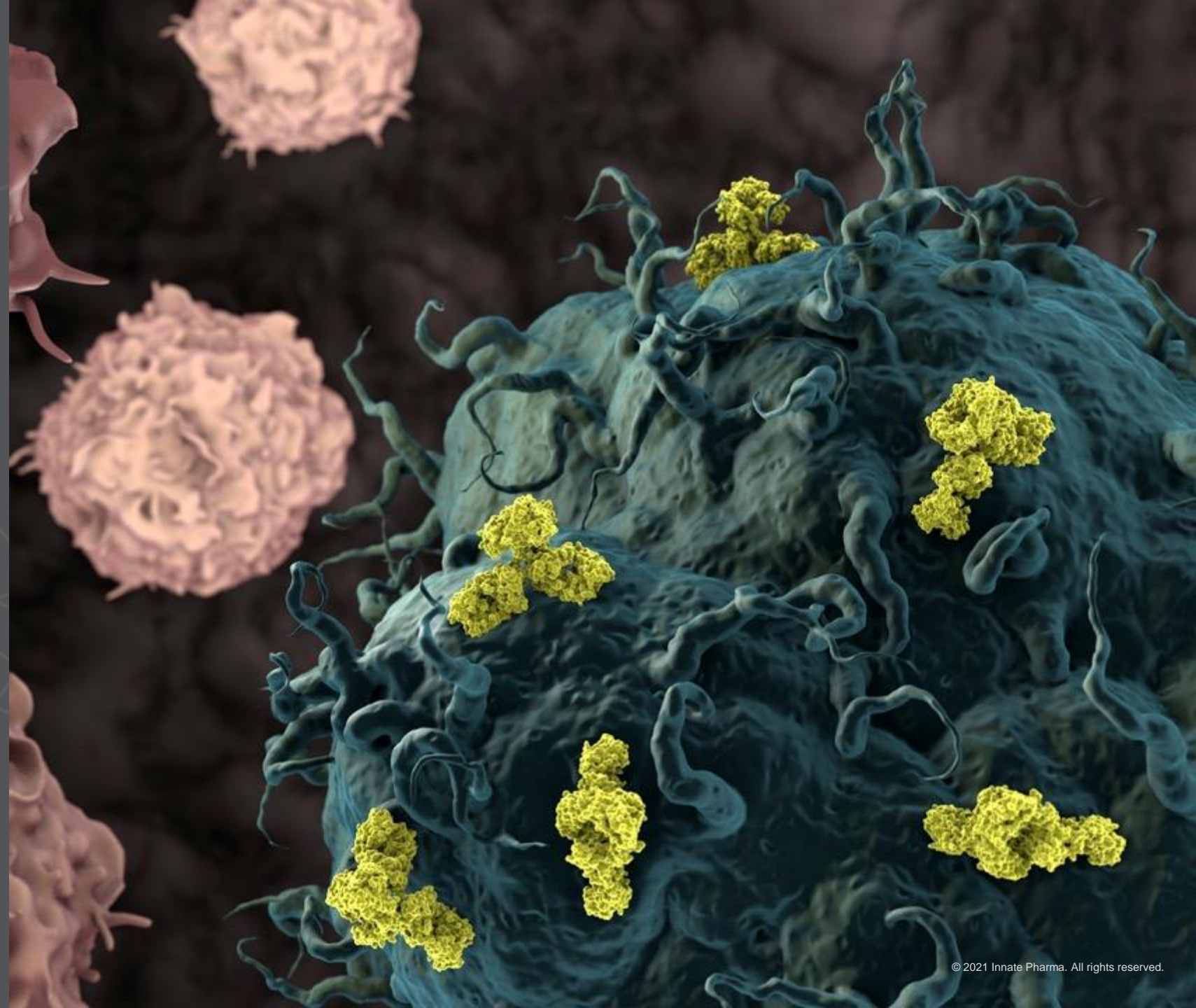


Full Year 2020 Results

March 18, 2021

PARIS: IPH.PA

NASDAQ: IPHA



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Speakers on today's call



Mondher Mahjoubi, MD
*Chief Executive Officer
Chairman of the Executive Board*



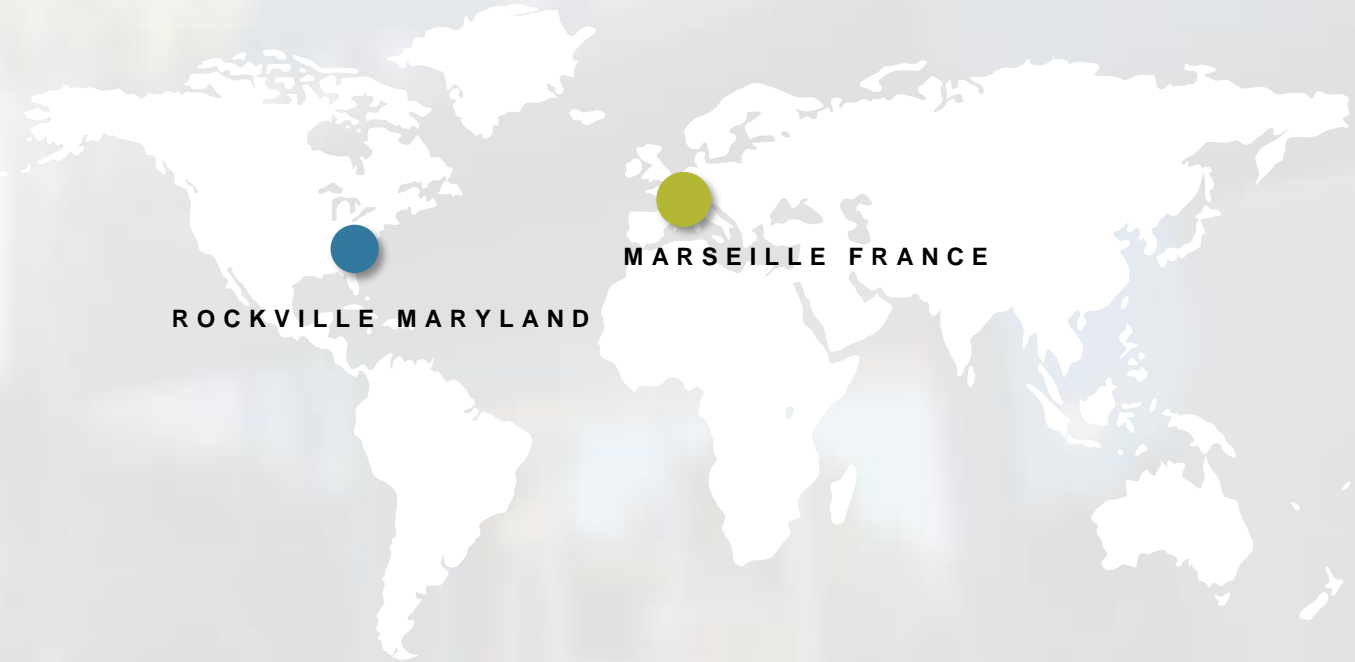
Laure-Hélène Mercier
*EVP
Chief Financial Officer
Executive Board Member*



Joyson Karakunnel, MD, MSc, FACP
EVP, Chief Medical Officer

A Leading Company in the Field of Innate Immunity

- Global, clinical-stage oncology-focused biotech company.
- Scientific excellence in the field of innate immunity with expertise in natural killer cell biology and antibody engineering.
- Focused pipeline of antibodies, including several potentially first-in-class clinical and preclinical candidates in cancers with high unmet medical need.



Founded: 1999

Paris Euronext listing: 2006

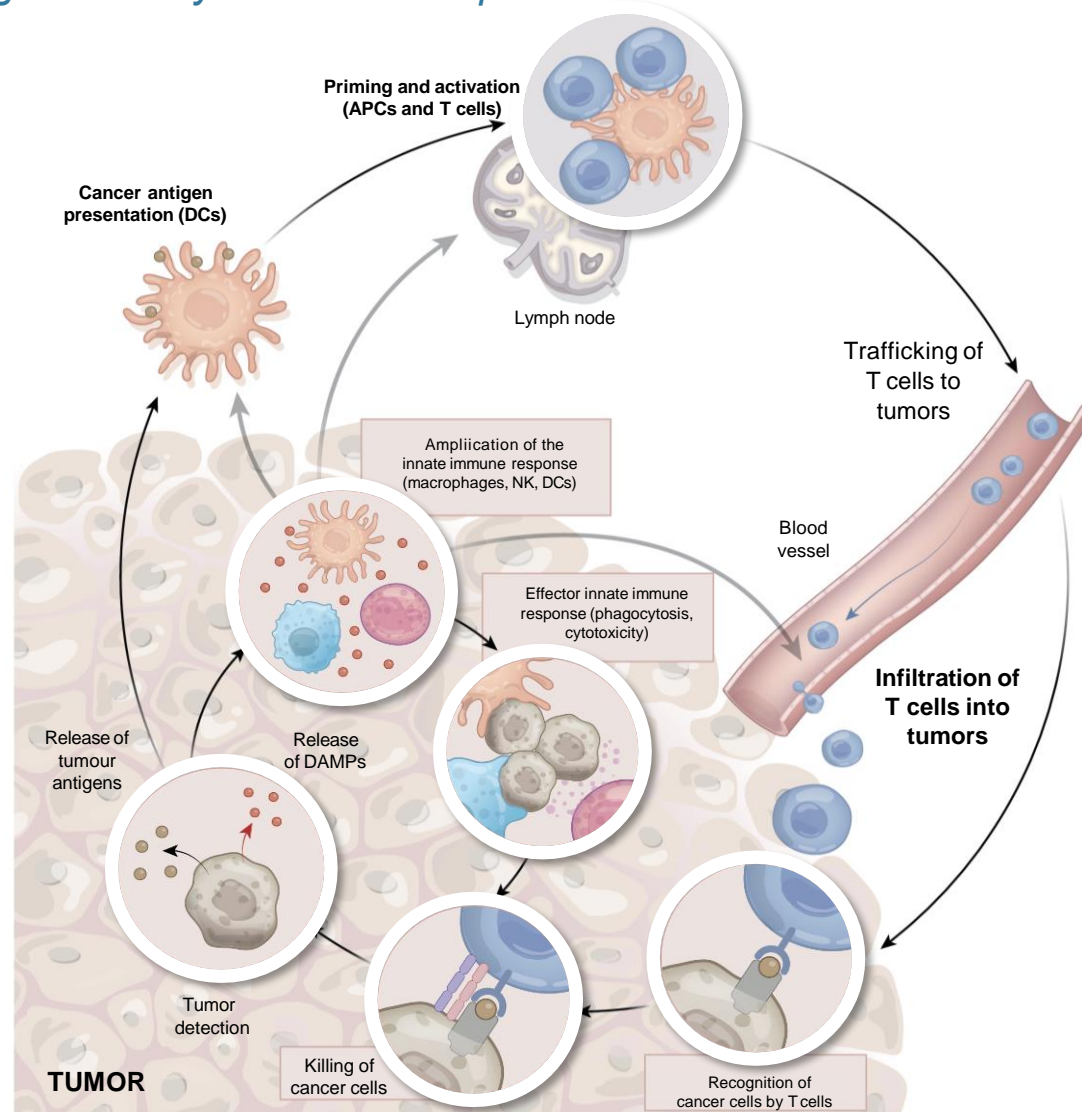
Nasdaq listing: 2019

Innate's Approach: Harnessing Innate Immunity in Cancer

Choosing the right targets to leverage the body's immune response

2 Unleash NK cells
Monalizumab (NKG2A)





1 Engage NK cells towards tumor
Lacutamab (KIR3DL2)
NK cell engagers (NKp46)



3 Reverse suppression

IPH5201 (CD39)
IPH5301 (CD73)

Our Robust Pipeline of Proprietary & Partnered Assets

Program	Target	Indication	Pre-Clinical	Phase 1	Phase 2	Phase 3	Partner
Lacutamab (IPH4102)	KIR3DL2	Sézary Syndrome	PHASE 2 (FDA FAST TRACK/EMA PRIME DESIGNATION)				-
		Mycosis Fungoides (MF)	PHASE 2				-
Monalizumab	NKG2A	Squamous Cell Carcinoma of the Head and Neck (SCCHN)	PHASE 3				AstraZeneca 
		Solid Tumors (including CRC and NSCLC)	PHASE 1/2				
Avdoralimab (IPH5401)	C5aR	Bullous pemphigoid (BP)	PHASE 2				-
		COVID-19	PHASE 2				-
IPH5201	CD39	Cancer (solid tumors)	PHASE 1				AstraZeneca 
Preclinical portfolio	IPH5301 (CD73), IPH6101**(NKCE) IPH25*, IPH26* (siglec-9), IPH43* (MICA/B), IPH62* (NKCE), IPH64**(NKCE), IPH45, IPH65 (NKCE)		PC				* AstraZeneca  ** SANOFI 

*"CRC" = Colorectal Cancer; "NSCLC" = Non-Small Cell Lung Cancer

Scientific Innovation Drives Our Strategy

Refocused the business in 2020, prioritizing investment in Innate's future to maximize patient impact and long-term value for shareholders



**Drive near-term
value with
Lacutamab**



**Advance our
innovative R&D
pipeline**



**Build a
sustainable
business**



Drive near-term value with Lacutamab

- TELLOMAK KIR3DL2-expressing MF cohort advanced to Stage 2
- Granted EMA's PRIME designation for Sézary syndrome
- Announced data-driven clinical development plan for PTCL



Advance our innovative R&D pipeline

- Sanofi optioned lead NKCE candidate, IPH6101/SAR443579, into IND-enabling studies



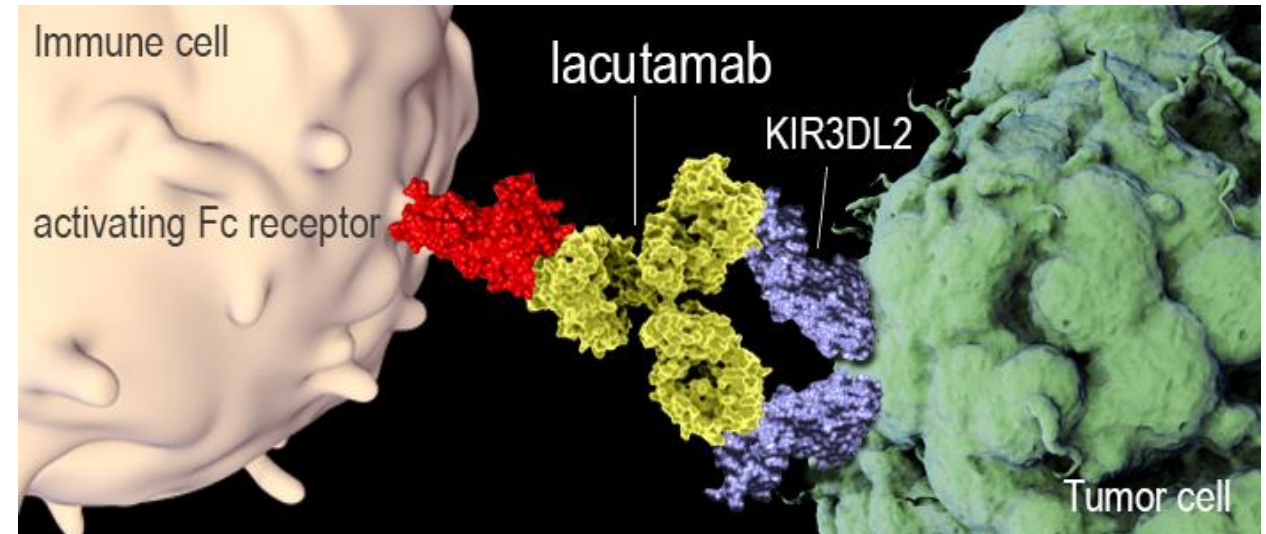
Build a sustainable business

- AZ initiated Phase 3 monalizumab trial, triggering \$50M milestone
- Also received \$5M from AZ for first patient dosed in IPH5201 Phase 1 trial

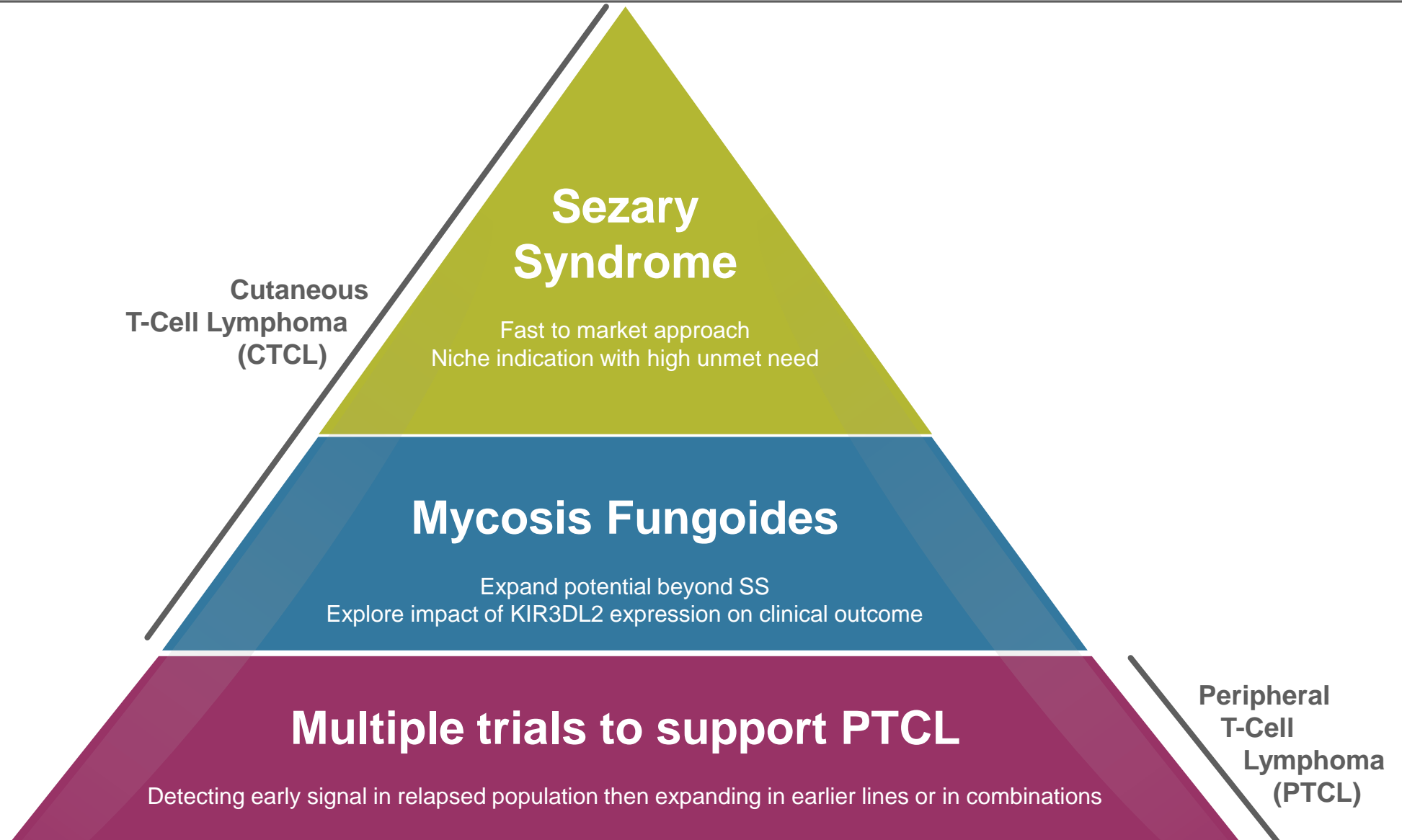
Lacutamab: Lead Proprietary Asset

First-in-class anti-KIR3DL2 humanized cytotoxicity-inducing antibody

- Lacutamab under development for the treatment of various forms of T-cell lymphomas (TCL)
- Compelling Phase 1 data in Sézary syndrome (SS), published in *Lancet Oncology*
- EMA PRIME and FDA Fast Track designations for SS patients who have received at least two prior systemic therapies
- Orphan drug designation in the EU and US for the treatment of cutaneous TCL (CTCL)
- Development strategy:
 - Fast to market strategy in SS
 - Expansion in other forms of T-cell lymphomas: mycosis fungoides (MF) and peripheral T-cell lymphoma (PTCL)



Development Strategy for Lacutamab Across T-Cell Lymphomas innate pharma



TELLOMAK Phase 2 Study in Two CTCL Subtypes

Potential for Sézary syndrome cohort to serve as pivotal trial

Sézary Syndrome (N~60)
≥ 2 prior systemic therapies

Cohort #1

All comers, SS, must include mogalizumab as prior therapy

Enrollment ongoing; preliminary data expected in 2022

Mycosis Fungoides (N~90)
≥ 2 prior systemic therapies

Cohort #2

KIR3DL2 expressing,
Simon 2 stage

Cohort #3

KIR3DL2 non-expressing,
Simon 2 stage

Advanced Cohort 2 to Stage 2 with earlier-than-expected efficacy signal; preliminary Stage 1 data expected in 2021

STUDY ENDPOINTS

- Primary endpoint: objective response rate
- Key secondary endpoints: progression-free survival, duration of response, quality of life and adverse events

TARGET EXPRESSION

- KIR3DL2 expression is defined as ≥1% using central evaluation of KIR3DL2 by immunohistochemistry

Initiating Data-Driven Strategy in PTCL

NOW

RELAPSE SETTING

Highest unmet medical need;
two-pronged approach:

- Single agent activity (monotherapy)
- Combination studies with: 1) GemOx* and 2) other SOC

NEXT STEPS

FRONTLINE

Driven by data in relapse setting
to advance into earlier lines

- Combination with CHOP

*Gemcitabine and oxaliplatin
SOC: Standard of Care

Proprietary Multi-specific Platform Therapeutically Harnessing NK cells via NKp46: **NKCE**



MULTISPECIFIC

- Target two activating receptors on NK cells NKp46 plus CD16 and a tumor antigen



PROPRIETARY

- Patented format and NKp46 binders
- Non-exclusive license to Sanofi for two tumor antigens



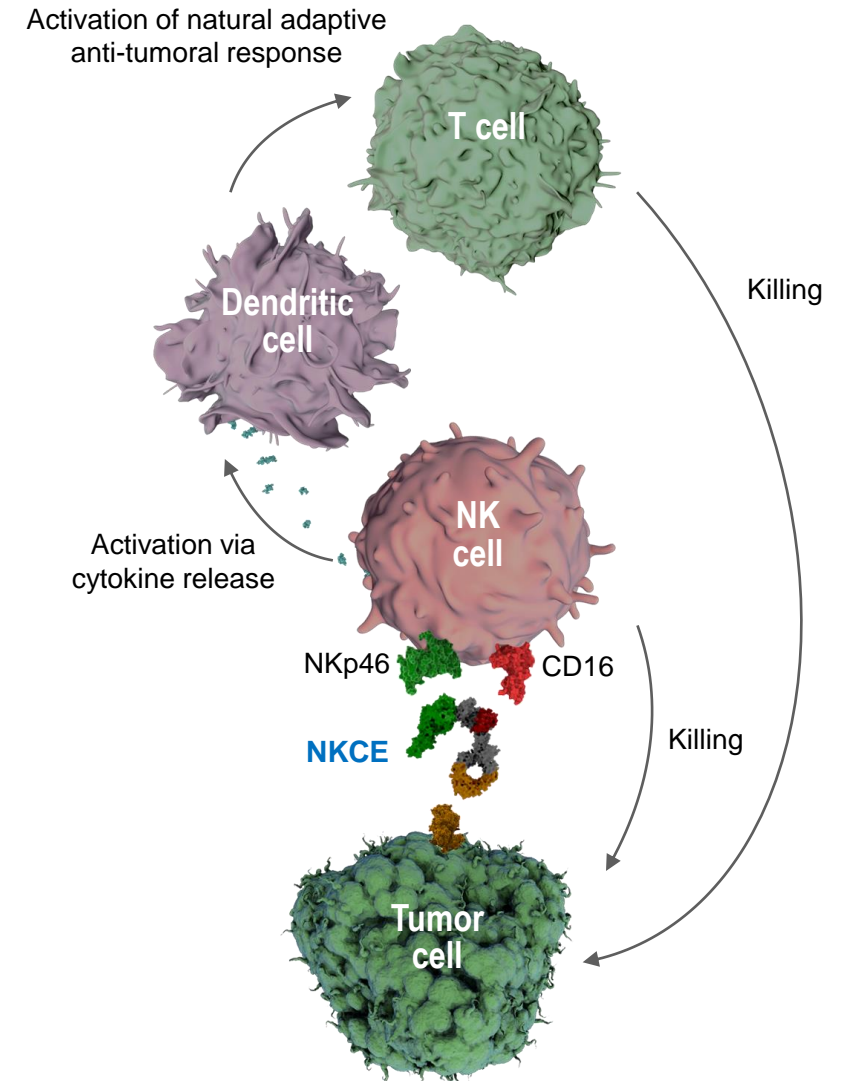
VERSATILE

- Applicable to multiple tumor antigens
- Two under collaboration with Sanofi, one under AstraZeneca option



FORMAT

- GMP manufacturability
- Stability
- Antibody-like pharmacokinetic



First NKCE Drug Candidate: IPH6101/ SAR443579

Research collaboration with Sanofi

First NKCE
selected by Sanofi
as drug candidate for
development

Uses Innate's
proprietary multispecific
antibody format

Has triggered €7M
milestone payment to
Innate to date

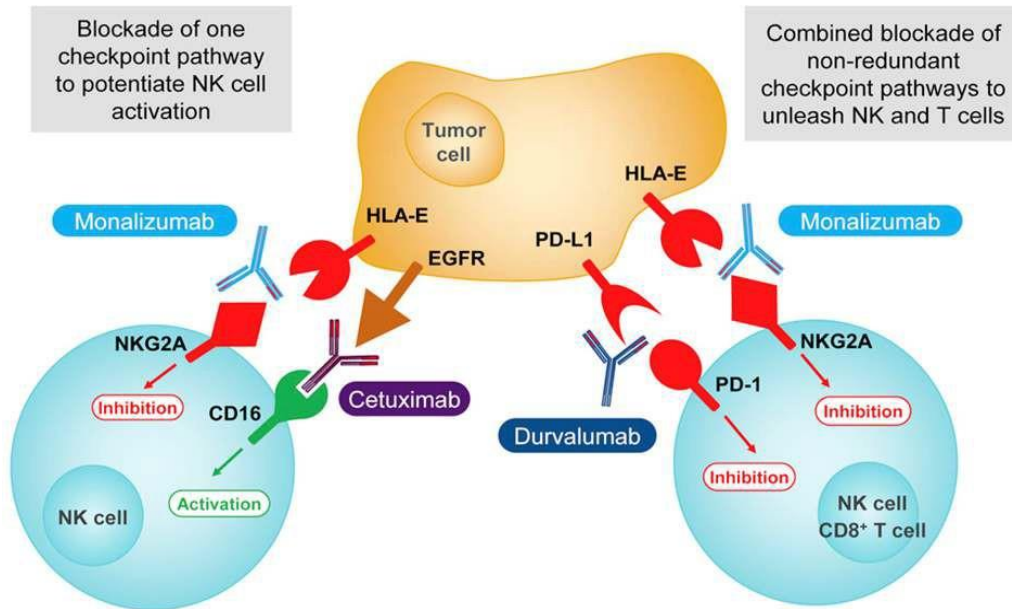
- Companies are collaborating on the generation and evaluation of up to two NKCEs.
- Sanofi is responsible for the development, manufacturing and commercialization of products resulting from the research collaboration.
- Innate is eligible for up to €400m in development and commercial milestone payments and royalties on net sales.

Monalizumab: Strategic Asset Providing Scientific Validation and Revenue Streams



Innate's first Phase 3 program, sponsored by AstraZeneca, for patients with IO-pretreated SCCHN

Promotes Anti-tumor Immunity by Unleashing Both T and NK Cells



Source: André, Vivier et al., Cell 2018

2H20: Phase 3 Start Triggered First of Two \$50M Milestones from AstraZeneca

- **Phase 3 program:** monalizumab + cetuximab in IO-pretreated R/M SCCHN
- **Revenue creation from collaboration:**
 - Total milestone package \$1.275B, \$400M received to date
 - Double digit royalties on net sales worldwide, except in Europe where Innate will receive 50% share of the profits and losses in the territory
 - Second \$50M milestone payment after the interim analysis demonstrates the combination meets a pre-defined threshold of clinical activity.
- **Opportunity:** R/M SCCHN is an indication of high unmet need
 - Monalizumab + cetuximab has potential to improve over cetuximab alone (SOC)

Full Year 2020 Financial Highlights

Cash, cash equivalents and financial assets: €190.6m as of December 31, 2020

- Including payment of \$50.0m (€41.2m) for FPI in Interlink-1.
- Not including payment of €7.0m from Sanofi for advancement of IPH6101, received in Feb. 21

Revenue/other income:
€70.5m

Licensing and collaborations:
€56.2m

Government funding for research expenditures: €13.6m

Operating expenses:
€89.9m

SG&A up 21%: Commercialization of Lumoxiti, corporate evolution

R&D down 26%: mainly driven by Lumoxiti and IPH5201

Lumoxiti

Net income from AZ Lumoxiti agreement for first 9 months of 2020: €0.9m

Lumoxiti sales for 4Q*: €0.7m

Impairment of Lumoxiti rights for an amount of €43.5 million

Discussions ongoing regarding the transition plan with AstraZeneca

*Booking sales since October 2020



Driving near-term value with Lacutamab

- TELLOMAK read-outs beginning in 2021; expanding into PTCL



Progressing an innovative and robust R&D portfolio

- Advancing NK cell-targeted portfolio



Building a sustainable business

- AZ initiated Phase 3 monalizumab trial, triggering \$50M milestone
- Additional \$5M from AZ for FPD in IPH5201 Phase 1 trial
- €190.6m* cash, cash equivalents and financial assets as of December 31, 2020

Harnessing innate immunity to create novel therapeutics in areas of unmet medical need

*Not including the €7M milestone payment from Sanofi for advancement of IPH6101