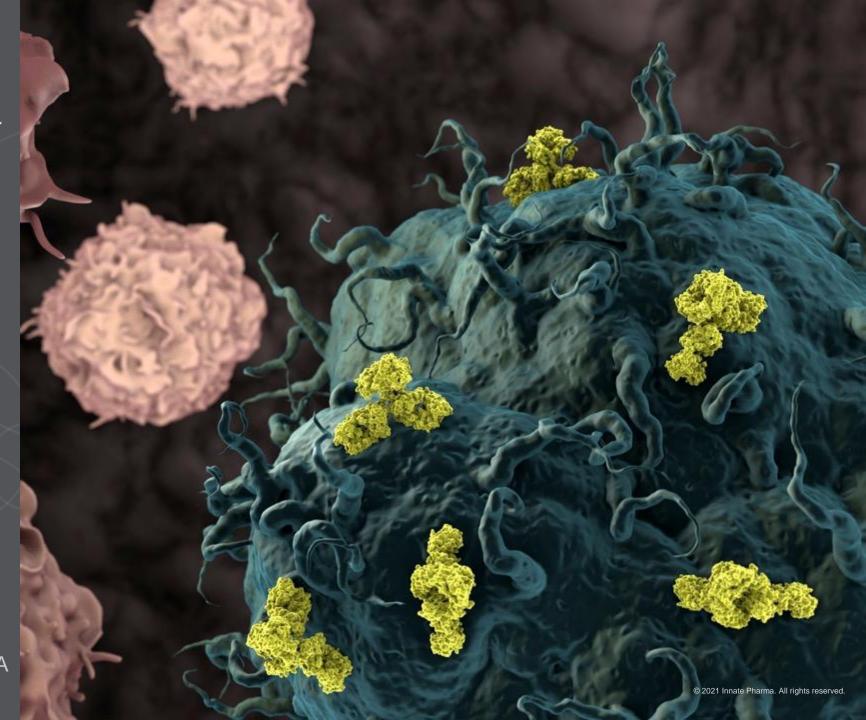


Full Year 2021 Results

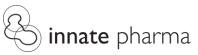
March 24, 2022

PARIS: IPH.PA

NASDAQ: IPHA



Disclaimer on Forward-Looking Information and Risk Factors hinnate pharma



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Speakers on Today's Call





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



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

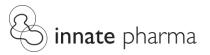


Yannis Morel, PhD
EVP, Business Development and
Product Portfolio Strategy
(Q&A)



Frédéric Lombard, MBA SVP, Chief Financial Officer

Early R&D Focus to Drive Value Through Later Stage Partnerships





Drive near-term value with Lacutamab

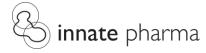


Advance our innovative R&D pipeline



Build sustainable business through partnerships

2021 highlights: Significant progress across strategic priorities









R&D pipeline



Monalizumab

Clinical progress:

- Lacutamab Phase 2 MF KIR3DL2expressing TELLOMAK cohort advanced to next stage
- Lacutamab Phase 1b PTCL trial initiated
- Lacutamab Phase 2 PTCL trial initiated

- IPH6101/SAR443579 (CD123 tri-specific ANKET) Phase 1 trial start (Sanofi)
- Proprietary tetra-specific ANKET progress to IND
- IPH5301 (anti-CD73) Phase 1 trial start
- IPH5201 (anti-CD39) Further planning

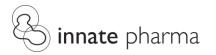
- Monalizumab Phase 3 NSCLC PACIFIC-9 start (AstraZeneca)
- Monalizumab Phase 2 NeoCOAST-2 NSCLC start (AstraZeneca)

Data readouts:

 Lacutamab – Phase 2 encouraging preliminary data in MF KIR3DL2expressing TELLOMAK cohort presented at ICML, Lugano

- IPH6101/SAR443579 (CD123 tri-specific ANKET)
 Preclinical data presented at SITC (Sanofi)
- Proprietary tetra-specific ANKET presentation at FOCIS, ESMO, SITC
- Monalizumab Phase 2 NSCLC COAST data presented at ESMO (AstraZeneca)
- Monalizumab Phase 2 NeoCOAST NSCLC data at AACR (AstraZeneca)
- Monalizumab Phase 2, Cohort 3 HNSCC data presented at ESMO-IO

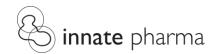
Our Robust Pipeline of Proprietary & Partnered Assets



Program	Target	Indication	Pre-Clinical	Phase 1	Phase 2	Phase 3	Status
Lacutamab	KIR3DL2	Sézary Syndrome	TELLOMAK PHASE 2 (FDA FA	AST TRACK/EMA PRIM	ME DESIGNATION)		Preliminary Phase 2 data expected 2022
		Mycosis Fungoides		TE	LLOMAK PHASE 2		Early data presented Preliminary Phase 2 data expected 2022
		PTCL (combo with GemOx)			PHASE 2		Phase 2 start H2 2021
		PTCL (mono)		PHASE 1b			Phase 1 start H2 2021
Monalizumab*	NKG2A	Post-PDx HNSCC			INTERI	LINK-1 PHASE 3	Phase 3 data expected 2022+*
		Unresectable Stg III NSCLC			PAC	IFIC-9 PHASE 3	Phase 3 starting
		Neoadjuvant NSCLC, other		NeoC	OAST-2 PHASE 2		Phase 2 study in progress
Avdoralimab	C5aR	BP			PHASE 2		Data expected 2024
IPH5201*	CD39	Cancer (solid tumors)	PH	IASE 1			Data expected 2023
IPH5301	CD73	Cancer (solid tumors)	PH	IASE 1			Phase 1 study in progress
ANKET TM Antibody based bit of Engager Therebodics	IPH6101** (CD123 tri-specific) IPH62* (tri-specific) IPH64** (tri-specific) IPH65 (tetra-specific)		Pre-clinical	HASE 1			IPH6101 Phase 1 study in progress Progress towards IND-enabling studies
Other preclinical		26* (Siglec-9), CA/B ADC), IPH45	Pre-clinical				



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 H2 2022

Mycosis Fungoides ((N~100)
≥ 2 prior systemic th	erapies

Cohort 2# Cohort 3# All Comers*

KIR3DL2+ KIR3DL2- KIR3DL2+/Simon 2 Stage Simon 2 Stage

Cohort 2 advanced to Stage 2; Cohort 3 did not progress to Stage 2. Preliminary Stage 1 data presented in 2021.

Preliminary data expected in H2 2022

STUDY ENDPOINTS

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

TARGET EXPRESSION

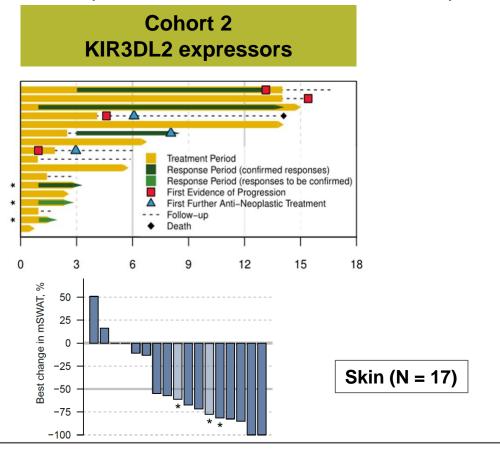
- KIR3DL2 +/expression is defined as ≥1% using central evaluation of KIR3DL2 by immunohistochemistry
- *FFPE based Companion Diagnostic under development
- # Frozen assay

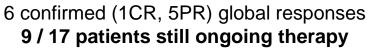
FFPE - formalin-fixed paraffin embedded

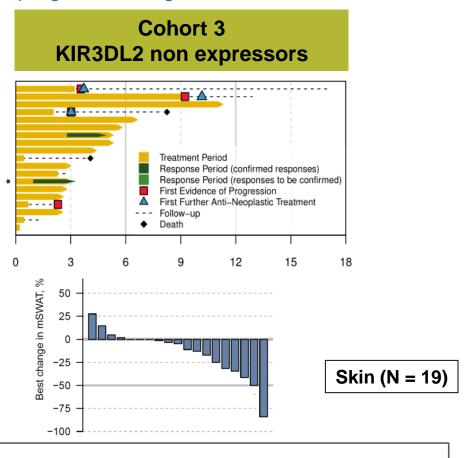
Encouraging Preliminary Results in KIR3DL2-Expressing MF Cohort of TELLOMAK Trial



Cohort 2 Overall response rate of ~35%* in advanced patient population with no current standard of care Cohort 3 Overall response rate of ~11%* KIR3DL2 non-expressors cohort did not progress to Stage 2







2 confirmed global responses (2PR) 11 / 19 patients still ongoing therapy

^{*} reported after data cut off (DCO) date, May 10, 2021. Bagot et al. ICML June 2021. Response rate reported after data cut off. CR: complete response, PR: partial response, uPR: unconfirmed partial response

Developing a New Standard of Care Across KIR3DL2-Expressing T-Cell Lymphomas



Cutaneous T-Cell Lymphoma (CTCL)

Peripheral T-Cell Lymphoma (PTCL)

Phase 2 TELLOMAK Trial

Sezary Syndome

80-200 patients

>90% KIR3DL2 expression

- Trial expanded (pivotal potential)
- Fast Track & PRIME Designation
- Preliminary data expected in 2022 (H2)

Mycosis Fungoides

2,200-4,400 patients

~50% KIR3DL2 expression

- Advanced Cohort 2 to Stage 2 with earlier-than-expected efficacy signal
- 2 active cohorts KIR3DL2 expressing and all comers
- Reported preliminary Cohort
 2, Stage 1 data at ICML –
 35% ORR
- Preliminary data expected in 2022 (H2)

Multi-trial Strategy From Relapsed to Frontline PTCL

~18,000 patients

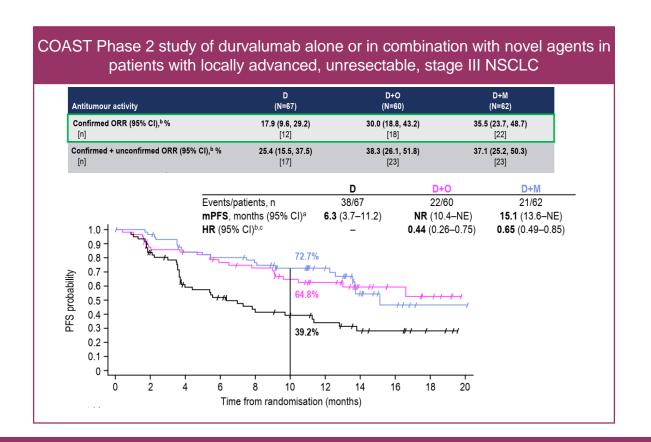
~50% KIR3DL2 expression

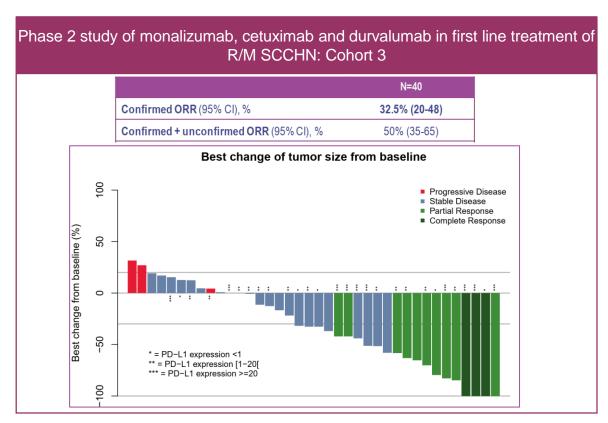
- Monotherapy + combination with GemOX (LYSA) & SOC in relapsed setting
- Follow data into earlier lines (in combination with CHOP)

Monalizumab: Phase 2 Data in NSCLC and HNSCC



2021 data presentations provide rationale for further exploration in NSCLS and HNSCC



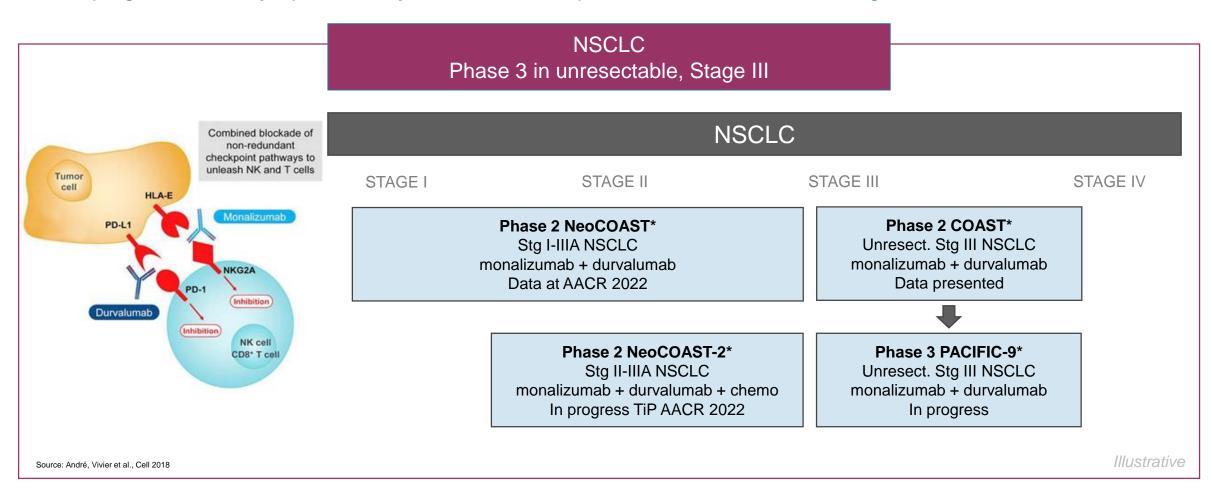


AACR: NeoCOAST Phase 2 oral presentation on 11 April 2022

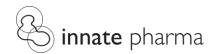
Monalizumab: Early NSCLC



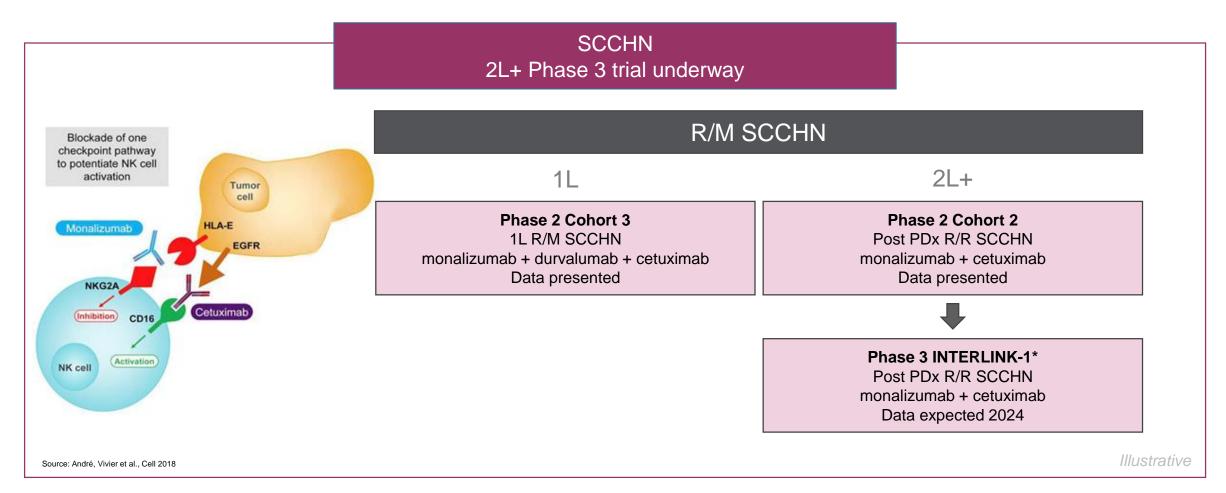
Phase 3 program underway, sponsored by AstraZeneca, for patients with unresectable, Stage III NSCLC



Monalizumab: Head and Neck cancer

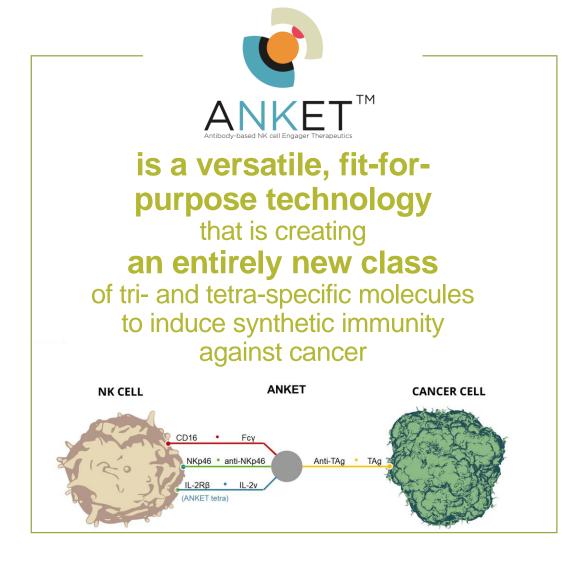


Innate's first Phase 3 program, sponsored by AstraZeneca, for patients with IO-pretreated SCCHN



ANKET™: Innate's Proprietary NK Cell Engager Platform







Harnesses NK cell effector functions against cancer cells, through the most conserved activating receptor on NK cells: NKp46



Provides proliferation and activation signals targeted to NK cells



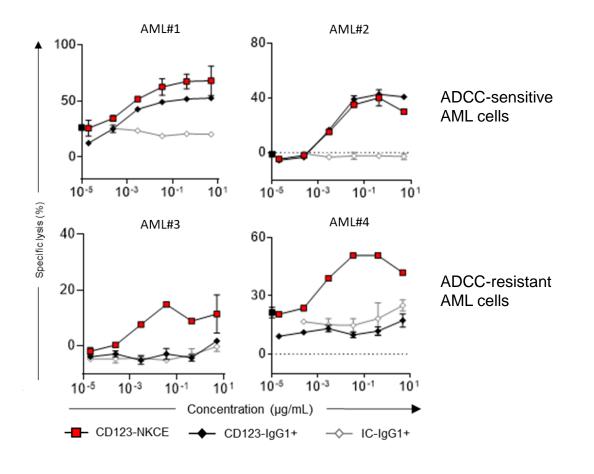
Demonstrates better anti-tumor efficacy than approved benchmark antibodies in preclinical tumor models

TAg: Tumor antigen

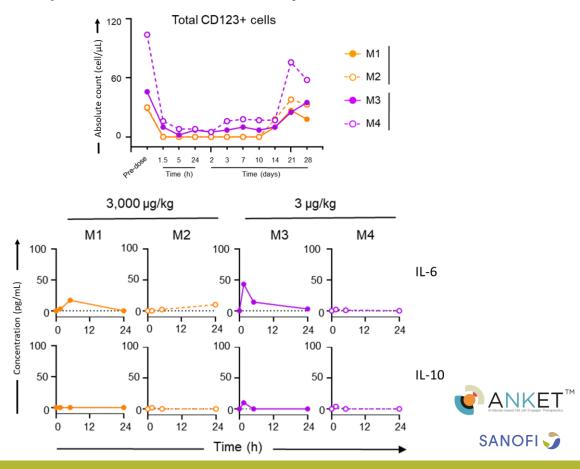
CD123 tri-specific targeted SAR443579/IPH6101 Demonstrates Potent Antitumor Activity Against AML and Favorable Safety Profile



SAR443579/IPH6101 kills AML cells resistant to ADCC



SAR443579/IPH6101 induce CD123-expressing cell depletion in NHP with minor cytokine release

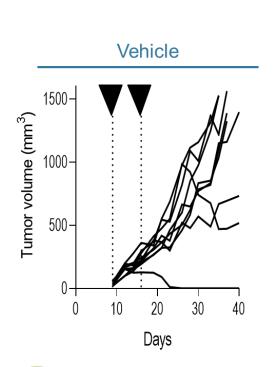


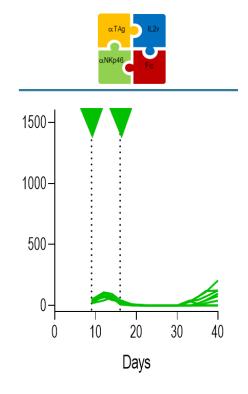
The first NKp46/CD16-based NK Cell engager using ANKET Phase 1 trial in AML and HR-MDS underway

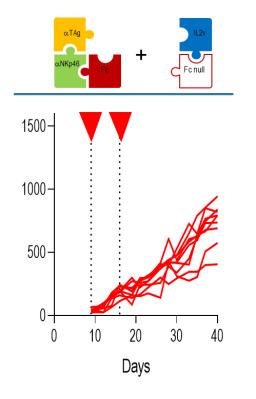
Optimal Efficacy Requires All Arms in Tetra-specific ANKET[™] Demonstrate Superiority in Preclinical Model of Tumors



Solid tumor models

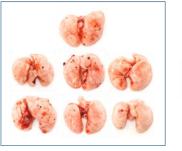






Disseminated tumor models









Obinutuzumab*

Progressing towards IND enabling studies

2021 Financial Highlights



Cash, cash equivalents and financial assets: €159.7m* as of December 31, 2021

Sufficient to fund operations until mid 2023

Licensing and collaborations: €12.1m

- €7.4m for monalizumab (AZ)
- €1.6m R&D costs sharing IPH5201/avdoralimab (AZ)
- €3.0m for IPH6101/SARSAR443579 (Sanofi)

Government funding for research expenditures:

• €10.3m

Operating expenses from continuing operations**:

€72.5m

65% expenses related to R&D

R&D expenses €47m: decrease in depreciation and amortization expenses

G&A expenses €25.5m: increase mainly due to increase in staff costs, non-scientific advisory, consulting and insurance

^{*} Including short term investments (€16.1m) and non-current financial instruments (€39.9m). Cash position as of December 31, 2021 includes proceeds (€28.7m) relating to State-Guaranteed Loans (Prêts Garantis par l'Etat "PGE") received in December 2021.

^{**} Operations related to Lumoxiti are presented as discontinued operations from the notification made to the FDA relating to the transfer of the U.S marketing authorization (October 1, 2021)

Key Newsflow Over the Next 2 Years



2022

Data Readouts

- Monalizumab NeoCOAST Ph2 NSCLC (AstraZeneca) AACR
- Lacutamab Phase 2 MF data (preliminary) H2
- Lacutamab Phase 2 SS data (preliminary) H2

Clinical Progress

- Monalizumab PACIFIC-9 NSCLC Phase 3 start (AstraZeneca)
- Monalizumab NeoCOAST-2 Phase 2 start (AstraZeneca)
- Lacutamab r/r PTCL mono Phase 1b starting
- Lacutamab r/r PTCL combo Phase 2 starting (IST)
- IPH5201 (CD39) next step planning (AstraZeneca)
- IPH5301 (CD73) Phase 1 start (IST)
- Proprietary tetra-specific IPH65 ANKET[™] progress towards IND

2023

Data Readouts

- Lacutamab Phase 2 MF data (final)
- Lacutamab Phase 2 SS data (final)
- Lacutamab PTCL data (preliminary)
- IPH5201 (CD39) Phase 1 data (AstraZeneca)

Clinical Progress

- Lacutamab PTCL next steps
- Proprietary tetra-specific IPH65 ANKET[™] IND filing

Early R&D Focus to Drive Value Through Later Stage Partnerships





Lacutamab

- TELLOMAK read-out with MF in 2021 and preliminary data for MF and SS in 2022
- Initiating monotherapy and combination PTCL studies



R&D pipeline

- Advancing proprietary tetraspecific NK cell-targeted platform and portfolio
- Advancing our adenosine franchise



Partnerships

- Strong Phase 3 monalizumab collaboration with AstraZeneca
- Sanofi CD123 tri-specific
 Phase 1 clinical trial underway

Cash position of 159.7 million* as of December 31, 2021 with runway into mid 2023



Questions and Answers



innate pharma