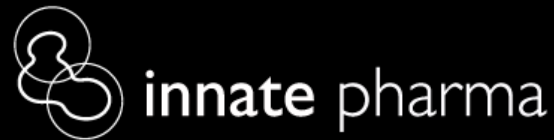
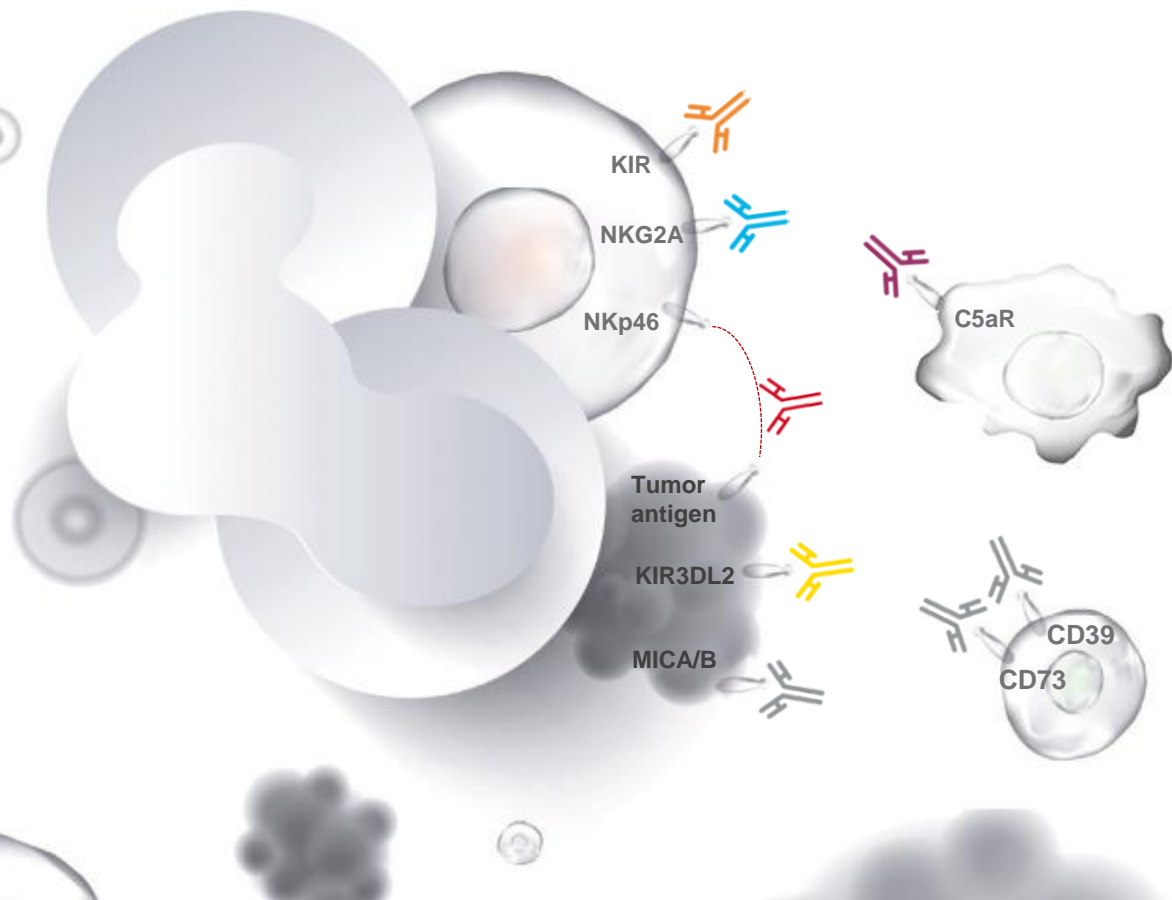


NOVEL CHECKPOINTS IN IMMUNO-ONCOLOGY



HALF-YEAR RESULTS

SEPTEMBER 18, 2017





FORWARD LOOKING STATEMENT

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Please refer to the Document de Référence filed with the Autorité des Marchés Financiers (“AMF”) on March 31st, 2017, available on the AMF’s website (www.amf-france.org) and on the Company’s website (www.innate-pharma.com). Such documents may not be necessarily up to date.

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1H17 KEY HIGHLIGHTS

1. Operational Review

Mondher MAHJOUBI

Chief Executive Officer

2. Financial Review

Laure-Hélène MERCIER

Chief Financial Officer

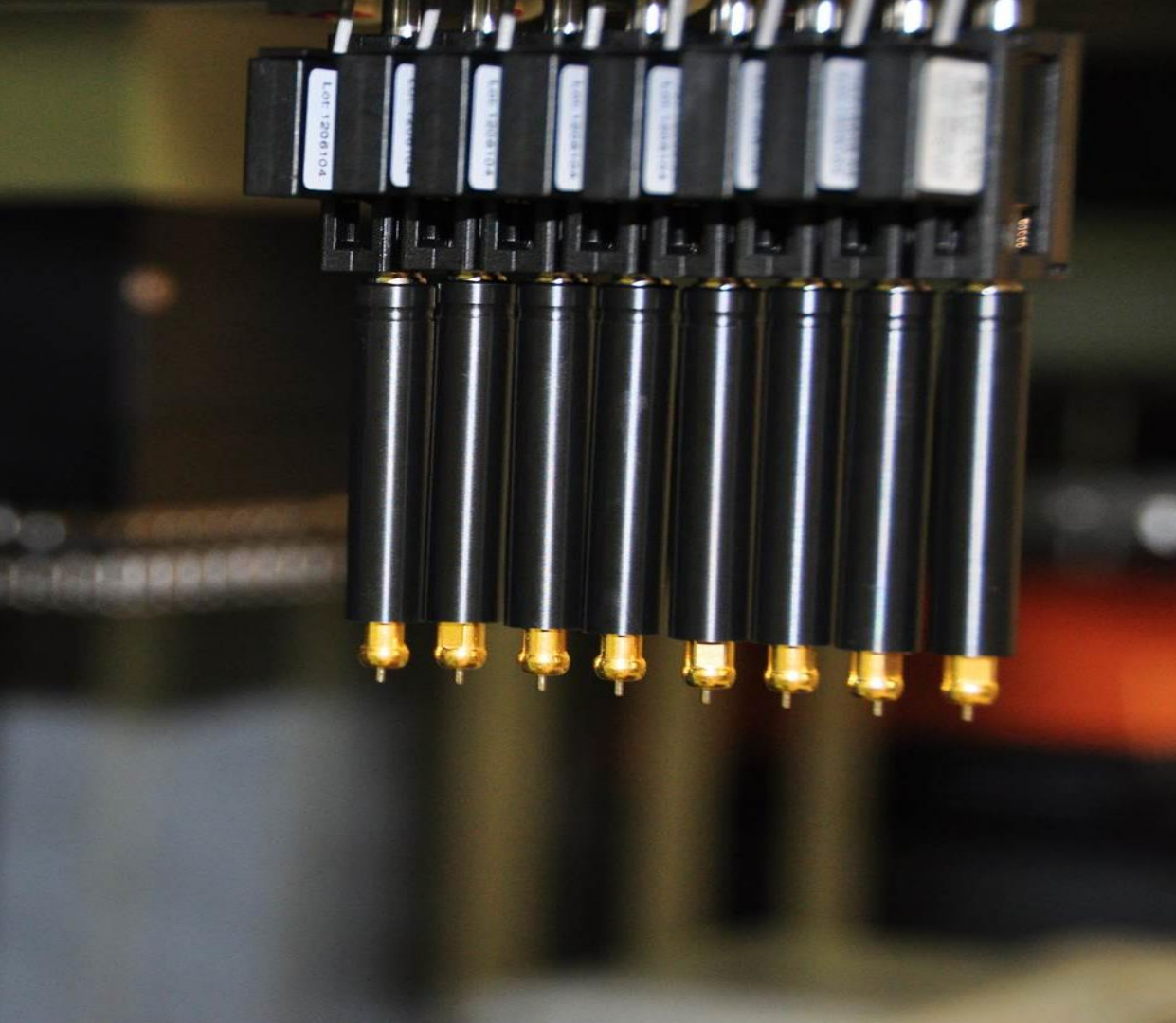
3. Closing

Mondher MAHJOUBI

Chief Executive Officer

4. Q&A

Executive team



OPERATIONAL REVIEW



1H17 KEY HIGHLIGHTS

Finance

- Robust cash position of €204.1m as of June 30, 2017

Clinical progress

- IPH4102 demonstrates favorable safety profile and promising clinical activity
- Lirilumab + nivolumab Phase I expanded to randomized cohort in SCCHN
- Monalizumab + durvalumab Phase I transitioned to cohort expansion in several tumor types

Strengthening of proprietary pipeline

- Acquisition of IPH5401, first-in-class anti-C5aR antibody



INNATE PHARMA – SCIENCE DRIVEN ORGANIZATION

SCIENTIFIC LEADERSHIP AROUND 3 KEY PILLARS

1

**NK cells
checkpoints**

2

**Tumor
microenvironment**

3

**Tumor
targeting**



IPH4102 – KEY CLINICAL DATA

EMERGING EVIDENCE OF CLINICAL BENEFIT IN CTCL

Phase I trial in advanced CTCL patients with KIR3DL2 + disease

- 19/24 patients with Sézary syndrome
 - Median age – 71 y
- Heavily pretreated patients
 - Median N prior treatment – 4
- Favorable safety profile
 - No DLT reported
 - RP2D at 10mg/kg
- Promising clinical activity

Sézary syndrome patients: ICML 2017

Best Response	(N=19), n (%)
Complete response (CR)	1 (5)
Partial response (PR)	8 (42)
Stable disease (SD)	8 (42)
Progressive disease (PD)	2 (10)

ORR – 47.4%
mPFS – 10.8 months



RETAIN FULL DEVELOPMENT & MARKETING RIGHTS

Medical need

- CTCL account for 3-5% of all NHL
 - 6000 new cases/year in US & EU
- **Poor survival** in advanced CTCL
 - Sézary syndrome has the poorest prognosis with impaired QoL
- **No standard of care** in advanced CTCL
 - Need for more options with long term clinical benefit
 - Particularly for SS and tMF



Next development steps

Extend current trial to generate more data in SS and tMF – started

Work with regulatory authorities to explore path to AA in SS – started

Develop pivotal program to expand beyond SS and CTCL – started



INNATE PHARMA – PARTNERED PROGRAMS

BROAD CLINICAL PROGRAMS IN COMBINATION WITH PD-1/PD-L1 AGENTS

Lirilumab

- Monotherapy – Disappointing results from EffiKIR trial as maintenance treatment in AML
- In combination with nivolumab – Encouraging preliminary sign of activity in 2L-SCCHN
 - Additional expansion cohorts including randomized cohort in 2L SCCHN/PDL+
 - First triplet combination of lirilumab + nivolumab + ipilimumab in adv SCCHN

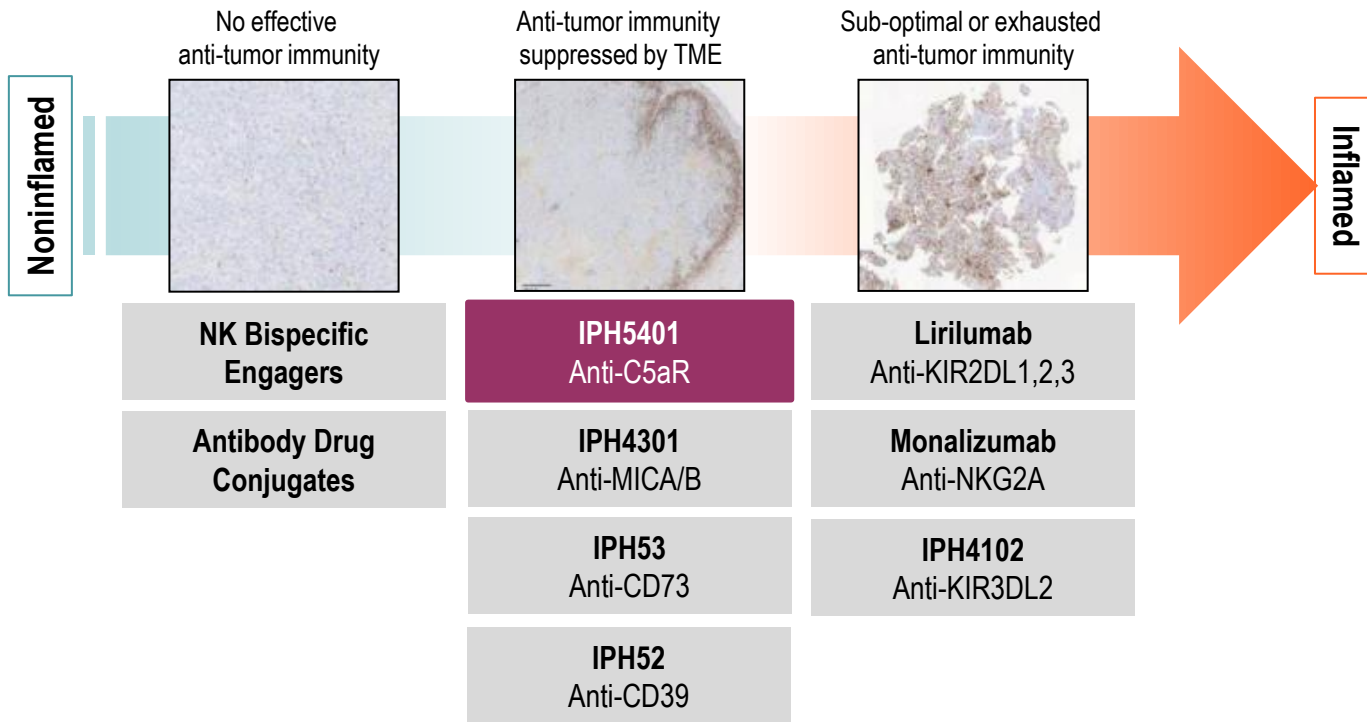
Monalizumab

- Monotherapy – Good safety profile but modest activity in advanced gynecological cancers
- In combination with durvalumab – Dose escalation part completed and expansion cohorts started in several tumor types



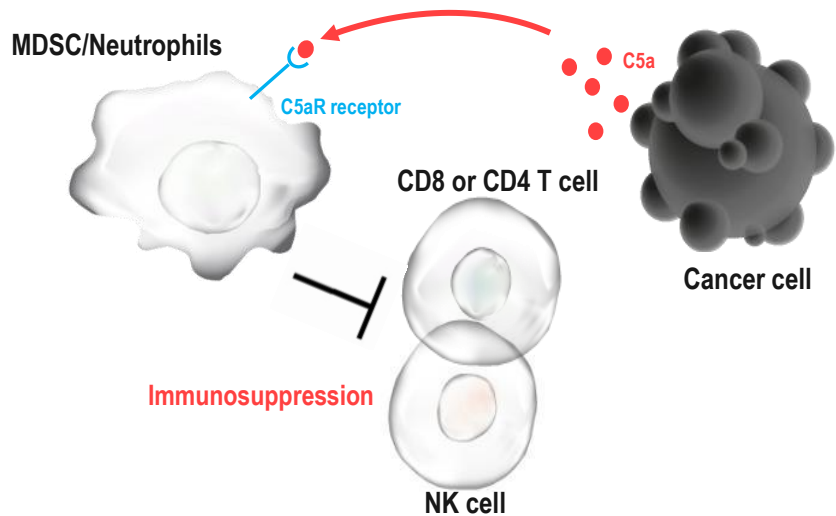
IPH5401 – FIRST-IN-CLASS ANTI-C5AR ANTIBODY

STRENGTHENING OUR PORTFOLIO OF TME TARGETING AGENTS





MDSC mediate pro-tumoral inflammation and immune suppression



C5a/C5aR blockade works in synergy with anti-PD/PD-L1 antibodies

- Delay tumor progression and may overcome resistance to anti-PD-1/PD-L1 agents
- IPH5401 inhibits migration and activation of C5aR expressing MDSCs and neutrophils
 - In vivo POC in mice in combination with aPD1
- Favorable safety profile in single and multi-dose Phase I trials in RA
- Phase I trials in oncology expected in 2018



FINANCIAL REVIEW



FINANCIAL HIGHLIGHTS

In thousand euros (IFRS)	June 30, 2017	June 30, 2016
Revenue* from collaboration and licensing agreements	15,554	16,659
Government financing for research expenditures	5,720	4,025
Revenue and other income	21,274	20,685
Research and Development expenses	(31,583)	(20,273)
General and Administrative expenses	(7,922)	(3,339)
Operating expenses	(39,505)	(23,612)
Operating income / (loss)	(18,231)	(2,927)
Financial income	1,216	1,835
Financial expenses	(6,344)	(2,080)
Income tax	-	-
Net income / (loss)	(23,359)	(3,171)
Weighted average number of shares outstanding (in thousands)	53,955	53,853
Net income (loss) per share	0.43	(0.06)
	June 30, 2017	Dec 31, 2016
Cash, cash equivalents and financial assets**	204,115	230,664
Total financial debt	4,661	5,327

* revenue mainly relates to the co-development and commercialization agreement with AstraZeneca, corresponding to the recognition over the period of the initial payment received in April 2015

**current and non-current



FINANCIAL HIGHLIGHTS

- Revenue and other income amounting to €21.3m
 - > This amount results from licensing revenue (€15.6m) and from research tax credit (€5.7m)
 - > Revenue related to the licensing agreements results from the phasing of the initial payment received in the context of the agreement signed in April 2015 with AstraZeneca/MedImmune
- Operating expenses amounting to €39.5m
 - > 80% related to R&D
 - > The variance of the R&D costs (€31.6m compared to €20.3m for the first half of 2016) mainly results from higher subcontracting costs, which increased by €5.9m to €16.8m. This increase mainly refers to programs in clinical or regulatory preclinical stage, including IPH4102
 - > Operating expenses include €5.2m in share-based payment (non-cash)
- Net loss amounting to €23.4m for the first half of 2017
 - > Including €4.6m in unrealized foreign exchange losses



FINANCIAL HIGHLIGHTS

CASH POSITION

- Cash, cash equivalents and financial assets* of €204.1m as of June 30, 2017 (€230.7m as of December 31, 2016)
 - > Burn rate of €40.4m for the first half of 2017, excluding milestone payment of \$15m (€13.8m) from BMS received in January 2017
- Financial liabilities amounting to €4.7m, including €3.5m of non-current liabilities (€5.3m as of December 31, 2016, including €4.1m of non-current liabilities)
- Tax credit for the fiscal year 2016 (€9.1m) received in July 2017

- Increasing expenses in relation to expanding and maturing pipeline
- Solid cash position and potential milestones from partnerships

*current and non-current



CLOSING



INNATE PHARMA – SCIENCE DRIVEN ORGANIZATION PATIENT CENTRIC BIO-PHARMACEUTICAL COMPANY

Our Strategy

Achieve **scientific leadership in innate immunity**

Build up focused **late-stage capabilities**

Partner with **leading immuno-oncology companies**



KEY VALUE CREATION STEPS

- Lirilumab moving to randomized Phase II in combination with nivolumab ✓
- Dose-escalation data for IPH4102 ✓
- Read-out of current clinical programs in 2018:
 - > lirilumab
 - > monalizumab
 - > IPH4102: cohort expansion part
- IPH4102 advancing to next clinical stage in 2018
- IPH5401 entering first clinical studies in oncology in 2018



QUESTIONS & ANSWERS



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