August 9, 2023

Adaptimmune Reports Second Quarter Financial Results and Business Update

Substantial progress on the afami-cel BLA including FDA agreement on plan for confirmatory evidence and favorable feedback on commercial T-cell potency assay - submission now targeted for Q4 2023

Transition of lete-cel from GSK and data from the completed pivotal trial in synovial sarcoma and MRCLS expected in late 2023

Initiated Phase 2 SURPASS-3 trial in ovarian cancer, which has the potential to be registrational and is supported by RMAT designation

Completed strategic combination with TCR^2 to form a pre-eminent cell therapy company adding pipeline, technologies, approximately 40 people and $84.6m in Total Liquidity[1] at closing

Company confirms pipeline data readouts over the next 18 months

Cash runway into early 2026

Webcast to be held today, August 9, 2023, at 8:00 a.m. EDT (1:00 p.m. BST)

Philadelphia, Pennsylvania and Oxford, United Kingdom--(Newsfile Corp. - August 9, 2023) - Adaptimmune Therapeutics plc (NASDAQ: ADAP), a leader in cell therapy to treat cancer, today reported financial results for the second quarter ended June 30, 2023 and provided a business update.

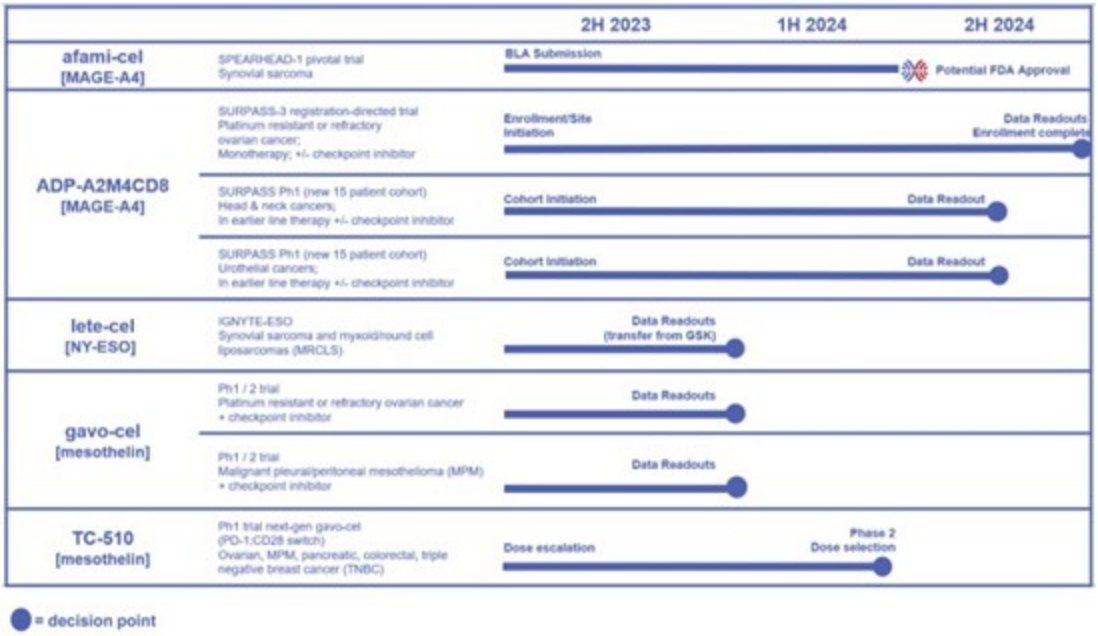
Adrian Rawcliffe, Adaptimmune's Chief Executive Officer: "The BLA submission process for afami-cel is going well with alignment with the Agency on key de-risking items. We have completed most of the wet work and we are now focused on writing and publishing the remaining sections to complete Part 3 of this submission for approval of the first engineered T-cell therapy for a solid tumor indication. We have completed the combination with TCR^2 and added pipeline assets, technologies, and increased our total liquidity by approximately $85m. The transition of lete-cel back from GSK is also progressing well. We have set ourselves up to make data-driven portfolio decisions to bring medicines to market that we have high conviction can make a real difference for people with cancer."

Pipeline update and overview of near- and mid-term catalysts to make rigorous data-driven investment decisions

Adaptimmune's lead clinical franchises utilize engineered T-cell therapies targeting MAGE-A4, NY-ESO (in process of transitioning from GSK), and mesothelin, which are expressed on a broad range of solid tumors. Use of these cell therapies is supported by compelling clinical data including results in late-stage synovial sarcoma which will form the basis of the

Company's first BLA submission. The Company has an enhanced "next-gen toolbox" and preclinical pipeline including PRAME and CD70 programs.

The following figure provides an overview of pipeline data catalysts that will be used to make data-driven investment decisions. To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/8845/168338_adptimage.jpg. Note, this figure was previously provided in the Adaptimmune corporate deck and a press release issued on June 1st to announce completion of the strategic combination with TCR2.



To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/8845/176502_figure1.jpg

Afami-cel targeting MAGE-A4

- Parts 1 and 2 of the afami-cel BLA submission have been completed and the final module (Part 3) is in progress. Milestone achievements are outlined in the BLA update section below.

Lete-cel targeting NY-ESO (in process of transitioning from GSK): could offer another potential commercial treatment for people with sarcoma

- Data from the completed pivotal clinical trial with lete-cel (IGNYTE-ESO) for the treatment of synovial sarcoma or myxoid/ round cell liposarcoma (MRCLS) is expected in late 2023. The transition of lete-cel to Adaptimmune from GSK is ongoing and terms were agreed during Q2 2023. The Company will determine next steps for lete-cel, including potential for a BLA, in early 2024.

ADP-A2M4CD8: next-generation therapy targeting MAGE-A4

- Initiated the Phase 2 SURPASS-3 trial in combination with nivolumab for platinum resistant ovarian cancer. This trial has the potential to become registrational. ADP-A2M4CD8 has been granted FDA RMAT designation for the treatment of people with

platinum resistant ovarian cancer.
- Initiated additional cohorts in the Phase 1 SURPASS trial in the earlier line treatment setting for head & neck and urothelial cancers in combination with checkpoint inhibitors. Data readouts anticipated in 2H 2024.
- An update on the Phase 1 SURPASS trial (ADP-A2M4CD8 alone or combined with nivolumab) will be featured as an oral presentation at the European Society of Medical Oncology (ESMO) 2023 Congress, Monday, October 23, 11:08-11:18 CET.

Gavo-cel targeting mesothelin

- The Phase 2 portion of the trial to assess gavo-cel in people with ovarian cancer in combination with nivolumab is ongoing. All patients to be included in an interim data review have been enrolled. All enrolled patients will be treated and continue in the trial as planned. Additional patients will not be enrolled until the data review is complete.
- Note, the Phase 1 portion of the trial in ovarian cancer, non-small cell lung cancer (NSCLC), malignant pleural/peritoneal mesothelioma (MPM) or cholangiocarcinoma has been completed. Initial data from the Phase 1 portion of the trial was reported in September 2022. Focus was subsequently narrowed to ovarian cancer.
- More mature clinical and translational Phase 1 and 2 data will be evaluated later this year to determine next steps with gavo-cel.

TC-510: next-generation therapy targeting mesothelin

- The Phase 1/2 clinical trial for TC-510 for people with MPM, ovarian cancer, pancreatic cancer, colorectal cancer, or triple negative breast cancer is ongoing in the dose-escalation phase. Initial data readouts are anticipated this year to enable further directional decisions for TC-510.

Preclinical programs targeting PRAME and CD70 (not shown in figure)

- Adaptimmune plans to be IND-ready in late 2023 with a PRAME targeted TCR T-cell therapy. PRAME is a clinically validated target which is highly expressed across a broad range of solid tumors including breast, kidney, endometrial, ovarian, gastroesophageal, non-small cell lung, and head & neck cancers as well as melanoma. A clinical trial is expected to initiate in 2024 (indications remain to be determined).
- An IND for CD70 is planned for 2024. CD70 is expressed in hematological malignancies including acute myeloid leukemia (AML), lymphoma, and solid tumors including renal cell carcinoma.

Afami-cel: Adaptimmune plans to complete BLA submission in Q4 2023

In late 2022, Adaptimmune completed submission of the preclinical module (Part 1) of the BLA. In Q1 2023, the Company completed submission of the clinical module (Part 2). The Company is currently in the process of completing the final CMC module (Part 3).

Recently, several critical milestones have been completed:

- Demonstrated comparability of afami-cel drug batches manufactured with clinical trial supply vector and commercial supply vector.
- In collaboration with our companion diagnostic (CDx) partner, completed submission to

FDA of the Premarket application (PMA) for the MAGE-A4 CDx assay.
- Agreed confirmatory evidence plan with FDA: Cohort 2 of the SPEARHEAD-1 trial will act as confirmatory evidence for full approval, enrollment in Cohort 2 has completed.
- Completed method validation for lot release assays (including potency assays).
- Completed vector process performance qualification (PPQ).
- Initiated T-cell process performance qualification (PPQ).
- Secured favorable FDA feedback on the commercial T-cell potency assay including agreement on the proposed potency dataset for inclusion in the submission. The FDA has not requested any new or additional information on T-cell potency to precede the BLA submission.

This BLA is supported by data from Cohort 1 of the pivotal trial SPEARHEAD-1, which met its primary endpoint for efficacy. The Company has Regenerative Medicine Advanced Therapy (RMAT) designation from the FDA for afami-cel for the treatment of synovial sarcoma.

Afami-cel data presentation at ASCO 2023

Data from SPEARHEAD-1 was presented in a poster at the American Society of Clinical Oncology (ASCO) Annual Meeting, which is available HERE and summarized below.

- Approximately 39% of patients had clinical responses after a single dose of afami-cel in Cohort 1 of the pivotal SPEARHEAD-1 trial and the median duration of response was ~12 months (CTOS 2022).
- Median overall survival (mOS) was ~17 months.
- Patients with a RECIST response have a 12-month OS probability of 90% and 24-month OS probability of 70%, and the mOS for responders has not yet been reached.
- Historical outcomes are poor for advanced synovial sarcoma with a mOS of <12 months in the second line and beyond treatment setting.

Corporate news

- In June, Adaptimmune announced completion of the strategic combination with TCR^2 to form a pre-eminent cell therapy company . At completion of the combination an additional $84.6m of Total Liquidity[1] was added to the group's combined liquidity and 39 additional employees. Integration efforts, including pipeline prioritization and investment decisions, are ongoing.
- Adaptimmune and GSK agreed terms for transfer of PRAME and NY-ESO ("lete-cel") target programs back to Adaptimmune in Q2. Adaptimmune will receive ~$37 million from GSK in relation to the transition of the ongoing lete-cel clinical trials anticipated in Q4.

Financial Results for the three and six months ended June 30, 2023

- **Cash / liquidity position:** As of June 30, 2023, Adaptimmune had cash and cash equivalents of $77.0 million and Total Liquidity[1] of $204.7 million, compared to $108.0 million and $204.6 million, respectively, as of December 31, 2022.
- **Revenue**: Revenue for the three and six months ended June 30, 2023, was $5.1

million and $52.7 million, respectively, compared to $5.5 million and $9.1 million for the same periods in 2022. Revenue has increased in the six months to June 30, 2023, compared to the same period in 2022 primarily due to the termination of the Astellas collaboration, resulting in the remaining deferred income for the collaboration being released as revenue in March 2023.

- **Research and development (R&D) expenses:** R&D expenses for the three and six months ended June 30, 2023, were $30.0 million and $55.5 million, respectively, compared to $34.7 million and $71.5 million for the same periods in 2022. R&D expenses decreased due to a decrease in the average number of employees engaged in research and development, decreases in subcontracted expenditures, a decrease in share-based compensation expenses, a decrease in in-process research and development costs and a decrease in offsetting reimbursements receivable for research and development tax and expenditure credits.
- **General and administrative (G&A) expenses:** G&A expenses for the three and six months ended June 30, 2023, were $20.1 million and $40.5 million, respectively, compared to $14.6 million and $31.4 million for the same periods in 2022. G&A expenses increased due to restructuring and charges recognised in the first quarter of 2023, an increase in other corporate costs due to an increase in accounting, legal and professional fees incurred in relation to the TCR^2 Therapeutics, Inc merger agreement and severance and other related costs for former TCR^2 Therapeutics leadership, offset by a decrease in share-based compensation expenses.
- **Gain on bargain purchase:** a $22.2 million gain on bargain purchase was recognised in the three and six months ended June 30, 2023, from the strategic combination with TCR^2 Therapeutics, Inc.
- **Net loss:** Net loss attributable to holders of the Company's ordinary shares for the three and six months ended June 30, 2023, was $21.4 million and $20.4 million, respectively ($(0.02) and $(0.02) per ordinary share), compared to $44.5 million and $94.8 million, respectively ($(0.05) and $(0.10) per ordinary share), for the same periods in 2022.

Financial Guidance

The Company believes that its existing cash, cash equivalents and marketable securities, together with the additional payments under the Strategic Collaboration and License Agreement with Genentech and payments under the Termination and Transfer Agreement with GSK, will fund the Company's current operations into early 2026, as further detailed in the Company's Quarterly Report on Form 10-Q for the second quarter ended June 30, 2023, to be filed with the Securities and Exchange Commission following this earnings release.

Webcast Information

The Company will host a live webcast to provide additional details at 8:00 a.m. EDT (1:00 p.m. BST) today, August 9, 2023. A live webcast of the conference call and replay can be accessed at https://www.gowebcasting.com/12658. Call in information is as follows: 1-800-806-54874 (US or Canada) or +1 (416)-340-2217 participant passcode 4991002# (International and additional options available HERE). Callers should dial in 5-10 minutes prior to the scheduled start time and simply ask to join the Adaptimmune call.

About Adaptimmune

Adaptimmune is a clinical-stage biopharmaceutical company focused on the development of novel cancer immunotherapy products for people with cancer. The Company's cell therapy products have shown clinical responses in multiple solid tumor indications. Our unique T-cell platforms enable us to identify cancer targets, find and develop cell therapy candidates active against those targets, and produce therapeutic candidates for administration to patients. Adaptimmune's cell therapy products include T-cells with genetically engineered T-cell receptors ("TCR T-cells"), TCR Fusion Construct T cells (TRuC-T cells), and HLA-independent TCRs ("HiTs").

Forward-Looking Statements

This release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 (PSLRA). These forward-looking statements involve certain risks and uncertainties. Such risks and uncertainties could cause our actual results to differ materially from those indicated by such forward-looking statements, and include, without limitation: the success, cost and timing of our product development activities and clinical trials and our ability to successfully advance our TCR therapeutic candidates through the regulatory and commercialization processes. For a further description of the risks and uncertainties that could cause our actual results to differ materially from those expressed in these forward-looking statements, as well as risks relating to our business in general, we refer you to our Annual Report on Form 10-K for the year ended December 31, 2022 filed with the Securities and Exchange Commission (SEC) on March 6, 2023, our Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and other filings with the SEC. The forward-looking statements contained in this press release speak only as of the date the statements were made and we do not undertake any obligation to update such forward-looking statements to reflect subsequent events or circumstances.

Total Liquidity (a non-GAAP financial measure)

Total Liquidity (a non-GAAP financial measure) is the total of cash and cash equivalents and marketable securities (available-for-sale debt securities). Each of these components appears separately in the condensed consolidated balance sheet. The U.S. GAAP financial measure most directly comparable to Total Liquidity is cash and cash equivalents as reported in the condensed consolidated financial statements, which reconciles to Total Liquidity as follows (in thousands):

	June 30, 2023	December 31, 2022
Cash and cash equivalents	$ 76,969	$ 108,033
Marketable securities - available-for-sale debt securities	127,738	96,572
Total Liquidity	**$ 204,707**	**$ 204,605**

The Company believes that the presentation of Total Liquidity provides useful information to investors because management reviews Total Liquidity as part of its assessment of overall solvency and liquidity, financial flexibility, capital position and leverage.

Condensed Consolidated Statement of Operations
(unaudited, in thousands, except per share data)

	Three months ended June 30,		Six months ended June 30,	
	2023	2022	2023	2022
Revenue	**$ 5,130**	**$ 5,538**	**$ 52,731**	**$ 9,113**
Operating expenses				
Research and development	(29,965)	(34,740)	(55,513)	(71,492)
General and administrative	(20,073)	(14,550)	(40,470)	(31,354)
Total operating expenses	**(50,038)**	**(49,290)**	**(95,983)**	**(102,846)**
Operating loss	**(44,908)**	**(43,752)**	**(43,252)**	**(93,733)**
Interest income	1,543	357	2,219	695
Gain on bargain purchase	22,155	-	22,155	-
Other income (expense), net	501	(655)	(170)	(643)
Loss before income tax expense	**(20,709)**	**(44,050)**	**(19,048)**	**(93,681)**
Income tax expense	(680)	(470)	(1,305)	(1,104)
Net loss attributable to ordinary shareholders	**$ (21,389)**	**$ (44,520)**	**$ (20,353)**	**$ (94,785)**
Net loss per ordinary share				
Basic and diluted	**$ (0.02)**	**$ (0.05)**	**$ (0.02)**	**$ (0.10)**
Weighted average shares outstanding:				
Basic and diluted	1,108,166,960	962,794,072	1,050,071,434	951,474,546

Condensed Consolidated Balance Sheets
(unaudited, in thousands, except share data)

	June 30, 2023	December 31, 2022
Assets		
Current assets		
Cash and cash equivalents	$ 76,969	$ 108,033
Marketable securities - available-for-sale debt securities	127,738	96,572
Accounts receivable, net of allowance for expected credit losses of $0 and $0	2,970	7,435
Other current assets and prepaid expenses	54,094	43,330
Total current assets	**261,771**	**255,370**
Restricted cash	3,231	1,569
Operating lease right-of-use assets, net of accumulated amortization of $11,258 and $9,470	22,027	18,019
Property, plant and equipment, net of accumulated depreciation of $40,635 and $38,588	55,492	53,516
Intangible assets, net of accumulated amortization of $5,003 and $4,676	463	442
Total assets	$ **342,984**	$ **328,916**
Liabilities and stockholders' equity		
Current liabilities		
Accounts payable	$ 14,713	$ 4,753
Operating lease liabilities, current	4,752	2,728
Accrued expenses and other current liabilities	25,242	31,215
Restructuring provision	-	2,285
Deferred revenue, current	31,418	23,520
Total current liabilities	**76,125**	**64,501**

Operating lease liabilities, non-current	21,590	20,349
Deferred revenue, non-current	117,257	160,892
Other liabilities, non-current	1,361	1,296
Total liabilities	**216,333**	**247,038**
Stockholders' equity		
Common stock - Ordinary shares par value £0.001, 1,702,760,280 authorized and 1,351,828,044 issued and outstanding (2022: 1,282,773,750 authorized and 987,109,890 issued and outstanding)	1,851	1,399
Additional paid in capital	1,057,547	990,656
Accumulated other comprehensive loss	(3,092)	(875)
Accumulated deficit	(929,655)	(909,302)
Total stockholders' equity	**126,651**	**81,878**
Total liabilities and stockholders' equity	**$ 342,984**	**$ 328,916**

Condensed Consolidated Cash Flow Statement
(unaudited, in thousands)

	Six months ended June 30,	
	2023	**2022**
Cash flows from operating activities		
Net loss	$ (20,353)	$ (94,785)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation	3,824	2,728
Amortization	253	419
Gain on bargain purchase	(22,155)	-
Share-based compensation expense	5,513	10,631
Unrealized foreign exchange losses/(gains)	377	(108)
(Accretion)/amortization on available-for-sale debt securities	(633)	1,636
Other	663	585
Changes in operating assets and liabilities:		
Decrease/(increase) in receivables and other operating assets	1,971	(22,898)
(Decrease)/increase in payables and other current liabilities	(8,801)	12,898
Decrease in deferred revenue	(41,704)	(6,758)
Net cash used in operating activities	**(81,045)**	**(95,652)**
Cash flows from investing activities		
Acquisition of property, plant and equipment	(3,565)	(16,074)
Acquisition of intangible assets	(199)	-
Acquired upon acquisition of TCR2 Therapeutics Inc.	45,264	-
Maturity or redemption of marketable securities	76,119	97,605
Investment in marketable securities	(67,121)	(42,197)
Other	537	-
Net cash provided by investing activities	**51,035**	**39,334**
Cash flows from financing activities		
Proceeds from issuance of common stock from offerings, net of commissions and issuance costs	188	9,976

Proceeds from exercise of stock options	22	36
Net cash provided by financing activities	**210**	**10,012**
Effect of currency exchange rate changes on cash, cash equivalents and restricted cash	398	(5,836)
Net decrease in cash, cash equivalents and restricted cash	(29,402)	(52,142)
Cash, cash equivalents and restricted cash at start of period	109,602	151,666
Cash, cash equivalents and restricted cash at end of period	**$ 80,200**	**$ 99,524**

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[1] Total liquidity is a non-GAAP financial measure, which is explained and reconciled to the most directly comparable financial measures prepared in accordance with GAAP below.

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