UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 19, 2023

MOONLAKE IMMUNOTHERAPEUTICS

(Exact name of registrant as specified in its charter)

Cayman Islands	001-39630	98-1711963
(State or other jurisdiction	(Commission File Number)	(IRS Employer
of incorporation)		Identification No.)
Dorfstrasse 29		
Zug, Switzerland		6300
(Address of principal executive offices)	(Zip Code)
	41 415108022 (Registrant's telephone number, including area code)	
(For	N/A mer name or former address, if changed since last repor	rt)
Check the appropriate box below if the Form 8-K filing is inte	nded to simultaneously satisfy the filing obligation of t	he registrant under any of the following provisions:
$\hfill \Box$ Written communications pursuant to Rule 425 under the S	Securities Act (17 CFR 230.425)	
\square Soliciting material pursuant to Rule 14a-12 under the Exc	hange Act (17 CFR 240.14a-12)	
☐ Pre-commencement communications pursuant to Rule 14d	d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))	
$\ \square$ Pre-commencement communications pursuant to Rule 13 α	e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))	
Securities registered pursuant to Section 12(b) of the Securities	s Exchange Act of 1934:	
Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A ordinary share, par value \$0.0001 per share	MLTX	The Nasdaq Capital Market
Indicate by check mark whether the registrant is an emerging at the Securities Exchange Act of 1934 (§240.12b-2 of this chapt		es Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of
Emerging growth company \boxtimes		
If an emerging growth company, indicate by check mark if the accounting standards provided pursuant to Section 13(a) of the		n period for complying with any new or revised financial

Item 7.01 Regulation FD Disclosure.

On April 19, 2023, MoonLake Immunotherapeutics (the "Company") will be posting to its website an investor presentation to be used in the Company's April 19, 2023 Capital Markets Day event, including information regarding the Company's financial position, near-term catalysts and publication roadmap. A copy of the presentation is included with this Form 8-K for convenience and attached hereto as Exhibit 99.1. The investor presentation and replays of the webcast will be available on the Company's website at https://ir.moonlaketx.com.

The information in this current report on Form 8-K and the exhibit attached hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, regardless of any general incorporation language in such filing, unless specifically so incorporated.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No.	Description
99.1	MoonLake Immunotherapeutics Capital Markets Day Presentation dated April 19, 2023
104	Cover Page Interactive Data File-the cover page XBRL tags are embedded within the Inline XBRL document

Signature

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

MoonLake Immunotherapeutics

Date: April 19, 2023 By: /s/ Matthias Bodenstedt

Name: Matthias Bodenstedt Title: Chief Financial Officer



MoonLake Immunotherapeutics

Capital Markets Day

New York, NASDAQ

April 19th 2023

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V: moonlaketx.com | E: info@moonlaketx.com



Disclaimer



Forward Looking Statements

Certain statements in this presentation may constitute "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements include, but are not limited to, statements regarding our expectations, hopes, beliefs, intentions or strategies regarding the future including, without limitation, statements regarding: plans for preclinical studies, clinical trials and research and development programs: the anticipated timing of the results from those studies and trials; and expectations regarding the time period over which our capital resources will be sufficient to fund our anticipated operations. In addition, any statements that refer to projections, forecasts, or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words "anticipate", "believe", continue", "could", "estimate", "expect", "intend", "may", "might", "plan", "possible", "potential", "predict", "project", "should", "strive", "would" and similar expressions may identify forward-looking statements, but the absence of these words does not mean that such statement is not forward looking. Forward-looking statements are based on current expectations and assumptions that, while we and our management consider reasonable, as the case may be, are inherently uncertain. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Factors that may cause actual results to differ materially from current expectations include, but are not limited to, various factors beyond management's control including general economic conditions and other risks, uncertainties and factors set forth in the section entitled "Risk Factors" and "Cautionary Statement Regarding Forward-Looking Statements" in our Annual Report on Form 10-K that was filed with the U.S. Securities and Exchange Commission (the "SEC") on March 20, 2023 (the "Proxy Statement"), as well as factors associated with

Industry and Market Data

Certain information contained in this presentation relates to or is based on studies, publications, surveys and our own internal estimates and research. In this presentation, we rely on, and refer to, publicly available information and statistics regarding market participants in the sector in which we compete and other industry data. Any comparison of us to any other entity assumes the reliability of the information available to us. We obtained this information and statistics from third-party sources, including reports by market research firms and company fillings. In addition, all of the market data included in this presentation involve a number of assumptions and limitations, and there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while we believe our internal research is reliable, such research has not been verified by any independent source and we have not independently verified the information.

Trademarks

This presentation may contain trademarks, service marks, trade names and copyrights of other companies, which are the property of their respective owners. Solely for convenience, some of the trademarks, service marks, trade names and copyrights referred to in this presentation may be listed without the TM, SM © or ® symbols, but we will assert, to the fullest extent under applicable law, the rights of the applicable owners, if any, to these trademarks, service marks, trade names and copyrights.

ce: MoonLake Corporate @ 2023 | Proprietary | MoonLake TX

Welcome to our Capital Markets Day



conference (March 6-8)

AAD (March 18)

HCW & Guggenheim 10-K filing meetings (March 20) (Mar 30/Apr 5-6)

Capital Markets Day (April 19)

Kempen conference (April 25-26)

10-Q + S3 filing (Mid- May)

(May 31-Jun 3)

AGM (Jun 7)

Jefferies conference (Jun 7-9)

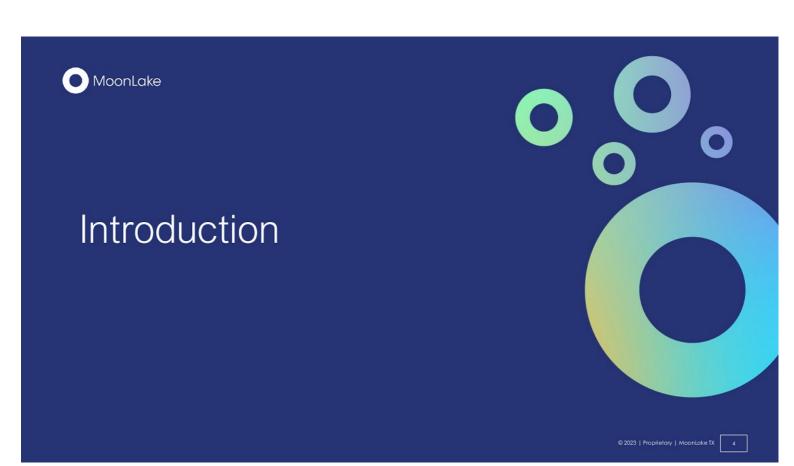
HS data R&D Day (end Jun)

Date: April 19th, 2023 Time: 10:30-12:30 EDT

Location: The Astoria Hub, Convene, 151 West 42rd Street, New York (Webcast also available)



Topic	Sub-topics	Speaker	Timing
Intro	 Overview of MLTX and catalysts Focus on HS: differentiation and market opportunity 	Jorge Santos da Silva	20 mins
AAD Reflections & Treatment Landscape	 Recap of HS landscape & pipeline Reflections on data released at AAD & remaining unmet needs Reflections on HS study designs 	Prof. Kenneth B. Gordon	30 mins
MoonLake R&D Update	 SLK positioning within the emerging HS treatment landscape Clinical trial update for HS (and PsA) Deep-dive on ML proprietary R&D 	Prof. Kristian Reich	30 mins
Financial Update & Path Forward	 10-K take aways & March 31st cash- cash runway Path forward 	Matthias Bodenstedt	10 mins
Q&A session			30 mins





- Founded in 2021 in Switzerland
- Nanobody® technology licensed in initial private round
- Unique molecule with sonelokimab, tri-specific IL-17A & IL-17F Nanobody® to elevate treatment in inflammation in a \$40bn+ market
- Public on Nasdaq in April 2022, with a raise of gross proceeds of \$150m
- Nearly \$200m raised to date
- Clinical phase company concluded phase 2 in psoriasis, additional phase 2 trials now, in HS ("MIRA") and PsA ("ARGO")
- Driven by a top-tier team, target is to unlock a pipeline-in-a-product across large indications from 2023 (>\$3bn in HS & PsA alone)

Do you still Antibody?

Revolutionizing Immunotherapy

through Nanobody® technology

MoonLake

moonlaketx.com

Source: MoonLake Corporate

MoonLake is led and supported by a highly experienced group



Leadership team



Jorge Santos da Silva (CEO, Founder, Board Director)



Prof. Kristian Reich (CSO, Founder)



Matthias Bodenstedt (CFO)



Nuala Brennan (CCDO)



Oliver Daltrop

Plus, 25 FTE at MoonLake today

Board of Directors



Kara Lassen (Roche)



Catherine Moukheibir (e.g., Oxford Biomedica)



Simon Sturge – Chair (e.g., Kymab, Merck)



Spike Loy (BVF)



Andrew Phillips (Cormorant)



Ramnik Xavier (Harvard)

Investors





Merck



















TANG CAPITAL MANAGEMENT, LLC









Note: Investors mentioned based on Schedule 13F filings for December 31, 2022 shareholdings

Source: MoonLake Corporate

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Our share price has picked up as we move closer to data







- ~100% YTD increase (max over \$25/share)
- Volumes increased significantly
- Nine equity analysts now covering MLTX (frequent dialogue ongoing with others)

Source: ML Finance

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High interest in a differentiated molecule – Do you still Antibody?



Nanobodies® are much smaller than traditional antibodies

They can be designed to have multiple and different binding domains



IL-17A & IL-17F

Sonelokimab is a \sim 40kDa humanized Nanobody® consisting of three VHH domains covalently linked by flexible spacers - around a quarter of the size of traditional antibodies

With 2 domains, it binds with high affinity to IL-17A and IL-17F – a third domain binds human albumin Subcutaneous administration, Q4W

iource: MoonLake Research

It's all about the dimers

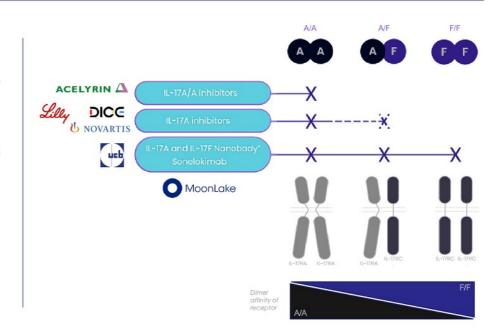


Illustrative

IL-17A and IL-17F function as **dimers** to drive inflammation, through activation of IL-17RA & RC receptor complexes

Different IL-17RA & RC chains combine to form complexes, and those have **different affinity for different dimers**^{1,2}

Not all IL-17-targeting therapeutics **can inhibit** IL-17A/A, IL-17A/F and IL-17F/F dimers



1 Liu S, et al. Nat Commun. 2013;4:1888; 2 Goepfert A, et al. Immunity. 2020 Mar 17;52(3):499-512

Source: MoonLake Research

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Sonelokimab has an established "next gen IL-17" profile by now



Phase 2 clinical data

THE LANCET

1.17A/F nanobody sonelokimab in patients with plaque psoriasis: a multicentre, randomised, placebo-controlled, phase 2b study

BID British Journal of Dermatology IMPROVING PATIENT OUTCOMES IN SKIN DISEASE WORLDWIDE

Maintenance of response in moderate-to-severe psoriasis after withdrawal of the IL-17A and IL-17F nanobody sonelokimab – Is there a role for IL-17F in disease reoccurrence?



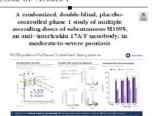
- Leading efficacy in Inflammation (PASI 100 for most patients)
- IL-17F adds to IL-17A inhibition (vs. Cosentyx)
- Clean profile following historical IL-17 safety

Duration of IL-17A & F response over time

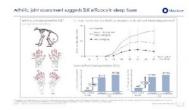
- Long-term antiinflammatory effect of SLK even after withdrawal
- Continued dosing benefit in non-/slow responders

Phase 1 & Preclinical data

J Am Acad Dermatol Volume 81, Number 1



- PK determined for all testing doses (incl. 120 and 240mg)
- Stable clinical response with Q4W dosing
- Molecular remission
 high clinical
 response over time



- SLK better than mAb in deep-tissue inflammation
- SLK travels into deep tissue more efficiently than mAb
- SLK binds IL-17A and F in deep tissue more efficiently than mAb

Source:

MoonLake

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IL-17 F inhibition is differentiating across inflammatory diseases



		Trials	Ph 3 patients (n)	Leading MoA
O heoricities	HS ¹	BE HEARD I & II	1,014	IL-17F inhibition doubles IL-17A- only inhibition & shows higher efficacy versus TNF on HiSCR75
O Heoricies	PsA ²	BE COMPLETE, BE OPTIMAL	1,252	IL-17F & A inhibition shows best ACR50/PASI90 composite score, response in TNF-IR pts
	Ax\$pA ³	BE MOBILE &	586	IL-17 F & A inhibition shows best ASAS40, incl. in TNF-IR pts
O heoridae	PsO ⁴	BE VIVID, BE READY, BE SURE, BE RADIANT	2,223	IL-17F inhibition brings 40%+ more pts to PASI100 than 17A- only, also superior to TNF

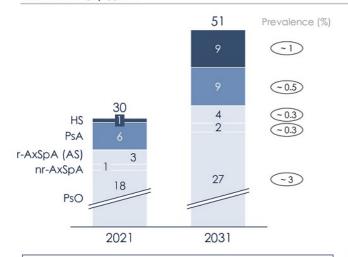
Only SLK and Bimekizumab inhibit IL-17A and F - SLK has own differentiating features

1 Late breaking session, Kimball et al., 2023 AAD 2023 2 Merola et al., Lancet 2023 (400 pts) : McInnes et al., Lancet 2023 (852 pts) 3 van der Heijde et al., 2023 (852 MoBiLE 1, nr-axSpA, 254 pts; BE MOBILE 2, r-axSpA, 332 pts) 4 Reich et al., Lancet 2021 (567 pts), Gordon et al., Lancet 2021 (435 pts), Warren et al., 2021 NEJM (478 pts) ; Reich et al., NEJM 2021 (743 pts)
Source: MoonLake Corporate

IL-17 inhibition is expected to lead in a growing \$50bn+ market



Global sales, USD Bn



IL-17 and other innovative biologics are expected to grow at CAGR 2-3x the rate of the market overall, to 2031

Hidradenitis Suppurativa (HS)

- Driven by IL-17s (60%) on base built by HumiraTM as only therapy
- Several failures (e.g., IL-23, IL-36, TYK-2, IRAK, IL-1)

1

Psoriatic Arthritis (PsA)

- Driven by IL-17s with rates of 11%+ growth (1/3 market)
- Mostly IL-17 (incl. IZO) and some IL-23 but with latter not adding to joint treatment, (and JAKs)



Other: e.g., Axial Spondylarthritis (r-axSpA and nr-axSpA)

- Driven by IL-17s (20%+ growth) on base built by TNFs
- IL-23s failed



Other: e.g., Psoriasis (PsO)

 Driven by newest IL-17 and IL-23 classes, eroding TNFs as the traditional class



IL-17A & F inhibition with further opportunity in many other disease areas across other Derm indications, Rheumatology, Ophthalmology, Hepatology, Nephrology, Oncology, and others

Source: Clarivate's Disease Landscape & Forecast 2021-2031 (last update: PsO [moderate to severe], PsA in December 2022; SpA in September 2022), HS 2031 projections based on LifeSci MLTX initiation report (assuming SLK value share identical to volume share)







Hidradenitis Suppurativa



IL-17 is a key pathway and clinical results indicate it may be the only (HS) or one of the few (PsA) that is potentially a better treatment option

IL-17F is most abundant pro-inflammatory cytokine involved in driving the disease

Inflammation is deep with albumin-rich oedemas and tissue damage siting in deeper, little vascularized tissues, ideal for a NanobodyTM

There are significant unmet needs, with decades old treatment goals, no satisfactory therapeutic solutions and low QoL for patients

The markets are large at \$ multiple billion ranges, with high prevalence for each disease, robust growth rates and less competition

ource: MoonLake

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We set out a large global Phase 2 program in HS and PsA



Approach to clinical design

- Trials started for Hidradenitis Suppurativa (HS) and Psoriatic Arthritis (PsA), high unmet need diseases
- Trials illustrate our pivotal design approach:
 - Larger size than usual with several arms, incl. placebo and active reference cross-overs
 - Double-blinded, controlled trials, blinded post-cross over – no open-labels, uncontrolled trials
- "Pivotal" designs to accelerate for well-planned superiority Phase 3s, including dosing options
- Always inclusive of Placebo AND active reference (namely Humira) to plan Phase 3 and already mark differences to a "soon-to-be" global biosimilar
- Higher treatment goal as Primary Endpoint vs standards (HiSCR75, ACR 50) to distinguish SLK, increase delta to placebo
- Anticipated read outs in 2023

Global Phase 2 program

Hidradenitis suppurativa



- Start date: May 2022
- End of screening: Jan 2023 LP randomized: Feb 2023
- 234 patients (vs. 210 target)
- Fastest recruitment in HS
- 57 activated sites (US and Europe)
 On-target baseline comparable with main competitor pivotal trials
- PE read-out: End June 2023 (R&D Day)
- 24-wk read-out expected: Oct 2023

Psoriatic Arthritis



- Predicted LP randomized: Sep 2023
- Trial recruiting well ahead of plan
- 5 arms: 3 doses, placebo & Humira
- 200 patients
- ~65 sites activated (US and Europe)
- PE read-out: Dec 2023
- 24-wk read-out expected: Mar 2024



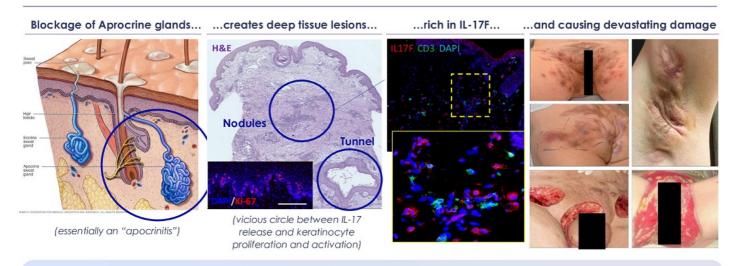
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MoonLake Clinical Development

HS: IL-17F dependent deep tissue inflammation with high unmet need





Market size

1-4% Global prevalence

7 avg # of years to diagnostic, globally

10+ USD billion sales by 2035

1 Drug approved (Humira)

Unmet Needs

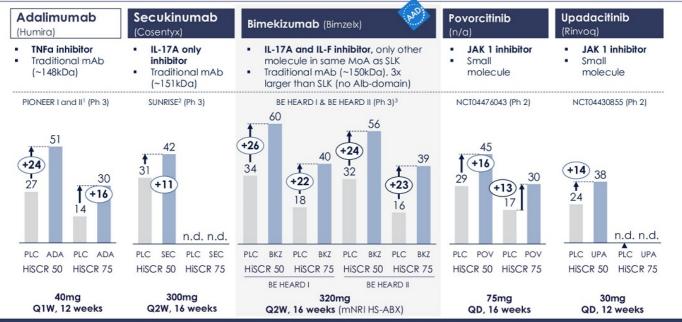
50% Improvement for pts for 1 yr with ADA

Picture from https://plastics.urgervikey.com/the-folliculopilasebaceous-unit-the-normal-fpsu/; Accessed December 2022; von Laffert M et al. Br. J Dermatol 164:367-71, 2011; Navrazhina K, et al. J Allergy Clin Immunol 2021;147:2213-24

ource: MoonLoke Medical @ 2023 | Proprietor

HS: Recent data underscores SLK potential in HS & HiSCR75 as new bar

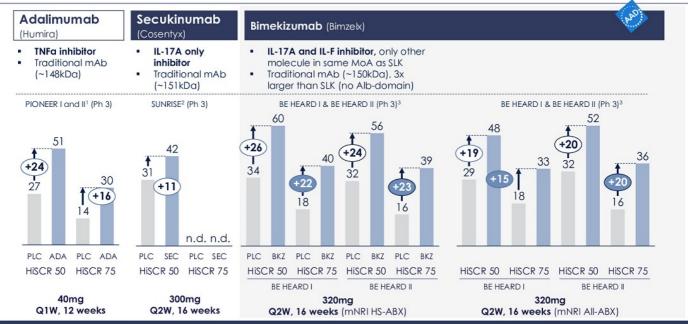




Leader is now Bimekizumab, followed by Humira and then Cosentyx (JAKs as a last line option)

HS: Recent data underscores SLK potential in HS & HiSCR75 as new bar





Leader is now Bimekizumab, followed by Humira and then Cosentyx (JAKs as a last line option)

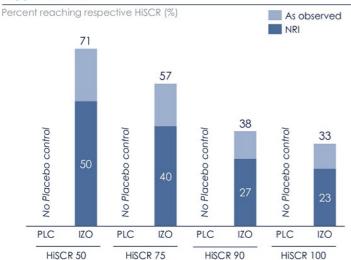
vote: Data is not based on Head-to-Head comparisons. It Blend of PIONEER Land II, named "integrated" (Porter et al., 2022, poster at SHSA 2022) 2. Kimball et al., 2022, presentation at EADV 2022 (SUNRISE, used as SUNRINE did not produce consistent result

across doses (G2W chosen as reference as only dose with significance vs. Placebo across finals). 3 Late-breaking presentation: Kimball A., et al. AAD, 2023

HS: Izokibep data from an open-label, uncontrolled trial hard to read







Key Notes

- Trial is an open label, non-placebo controlled with 30 patients
- Such trials are a known "failure mode" in HS, with different drugs failing to reproduce scores when trial is controlled and blinded (e.g., secukinumab, guselkumab show -20% responses)
- Other important concerns:
 - Low lesion number (~1/2 those in our trial)
 - 40% **site reaction** (indicative of low tolerance)
- 80% TEAE (versus our 60-65%, with ~5 events per patient which is deemed high)
- Generally, cautious view by KOLs at AAD '23

Still, a positive readthrough for SLK as a small molecule with albumin-binding domain, in HS

Source: Papp et al, AAD 2023, S-1 Preliminary prospectus Acelyrin Inc., April 13th 2023, MoonLake

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Guidance: Meet or beat Bimekizumab on HiSCR75 end of June



	Primary Analysis	HiSCR75 (Delta of best dose to PLC, ppt) ¹		
		Trial A		Trial B
1 Bimekizumab (Bimzelx)	ITT-NRI (mnri-hs-abx)	15 (22) BE HEARD I	17.5 (22.5)	20 (23) BE HEARD II
2 Adalimumab (Humira)	ITT-NRI	11 PIONEER I	16	21 PIONEER II
3 Secukinumab (Cosentyx)	ITT-mNRI	- SUNSHINE	-	- SUNRISE
Sonelokimab (SLK)	ITT-NRI (+ITT-mnri)		> 20	Other expectations: (+) Monthly Dosing (+) Higher Primary Endpoint (?) No new safety signals (?) Lower Thrush (Candida)



US HS Biologics Market estimation

\$10.1bn

\$1.6bn

Key drivers			
Overall HS True Prevalence	2.1%	2.1%	(can be up to 4%, esp. in the US)
Proportion with Mod-to- Severe disease	~55%	~55%	(as per literature)
Proportion of Mod-to- Severe with HS Diagnosis	~7%	~19%	(growth as per current US claims)
Biologics Use	~7%	~13%	(as psoriasis over the last 12 years)

'Hurley III Haradenilis Suppurativa Has an Aggressive Disease Course', Annika et al., Dermatology 2018, doi: 10.1159/00049154;

Source: MoonLake, DRG/Clarivate, academic journals, CBO

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Backup: HS Market calculation details



Biologics only	Current state (2023,	Future state (2035,	Future state (2035,	Bull and a second
	ranges)	ranges)	MLTX model values)	Rationale & sources
Total US population	336,000,000	355,000,000	355,000,000	CBO data The Demographic Outlook: 2023 to 2053 Congressional Budget Office (cbo.gov)
Estimated US prevalence	5-8 million (~1.5- 2.5%)	5-9 million (~1.5- 2.5%)	7,455,000 (2.1%)	Based on Prens et al., 2022, BJD, doi: 10.1111/bjd.20954; some sources indicate prevalence closer to 4%, e.g., Jemec et al., 1996, doi: 10.1016/s0190-9622(96)90321-7
Proportion with moderate-to-severe disease	3-5 million (~55%)	3-5 million (~55%)	4,100,250 (55%)	Defined as Hurley stage II and III. Based on Annika et al., Dermatology 2018, doi: 10.1159/000491547
Diagnosed prevalence of moderate-to-severe disease	140,000-320,000 (~5-7%)	440,000-1,230,000 (~15-25%)	793,097 (~19%)	Apply 9.9% linear growth rate per annum in diagnosis rate (based on US claims data analysis from 2008-2017); Garg et al., 2022, doi: 10.1007/s13555-022-00872-1
Proportion of mod-to- severe HS treated with biologics	~15,000-16,000 (~5%) ¹	60,000-160,000 (~13%)	101,694 (~13%)	Future state for HS is based on present-day injectable biologics penetration in psoriasis (~13% using DRG/Clarivate data, Dec 2022)
Avg. biologic annual price (gross)	USD 166,128	USD 166,128	USD 166,128	HS injectable biologic list price as of Feb 2023 (Reuters, US only)
Avg. biologic annual price (net)	USD 99,676 (~60%)	USD 99,676 (~60%)	USD 99,676 (~60%)	
Market size (US)	USD 1.5-1.6 bn •	USD 6-16 bn	USD ~10.1 bn	Based on psoriasis, where ~70-75% of biologic sales are
Market potential (WW)		USD 8-22 bn	USD ~14.1 bn	from the US (DRG/Clarivate data, Dec 2022)

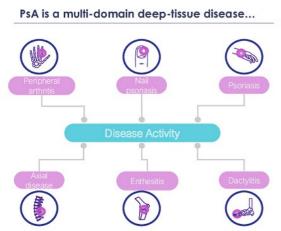
Humira has a 70-80 % drop rate/yr (sales are largely stable because it is mostly dynamic market every year) and works in an estimated 30% of patients only (yearly market could be 3x larger already at present) 1

Source: MoonLake, DRG/Clarivate, academic journals, CBO, AbbVie's Humira gets a U.S. rival, but costs could stay high I. Reuters

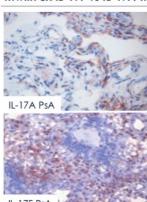
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PsA: IL-17F dependent multi-domain disease in difficult-to-reach tissues

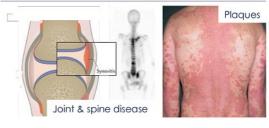




...with 3x IL-17F vs IL-17A1...



...and causing devastating damage



(PsA starts as enthesitis2, with IL-17F producing cells in associated plaques³ and axial disease4-6, and with 80% of patients suffering from nail psoriasis⁷)



Market size

.5% Global prevalence

USD bn sales beyond 2030

Unmet Needs

20% ACR improvement achievable with current drugs

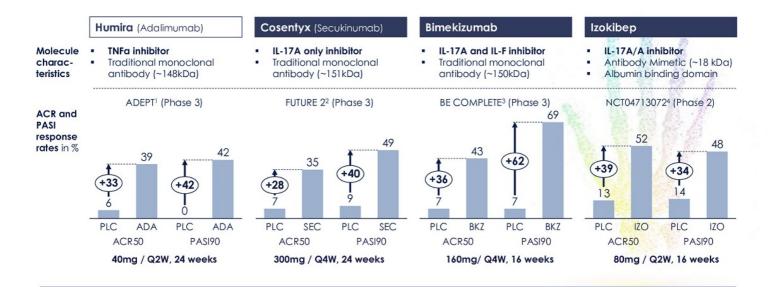
80% Pts with multiple disease domains (Psoriatic Disease Complex)

Drugs meet leading PASI100 & ACR50

l van Baarsen L.G. et al. Arthrilis Res Thes. 2014; 16:426-436; 2 Schett G. et al. Nature Reviews Rheumatology. 2017; 13:731-741; 3 Prinz J.C. et al. J Exp Med. 2020 Jan 6:217[1]:e20191397; 4 Sweet K. et al. RMD Open 2021;7e001679; 5 Shao M. et al. Clin Immunol 2020;213:108374; 6 Lories RJ and Mainnes IB, Nature Medicine. 2012; 18:1018-1019; 7 Reich K. J Eur Acad Dermatol Venereal. 2009; 23 Suppl 1:15-21; Clinical pictures K. Reich

PsA: Recent data underscores role of IL-17F inhibition & penetration



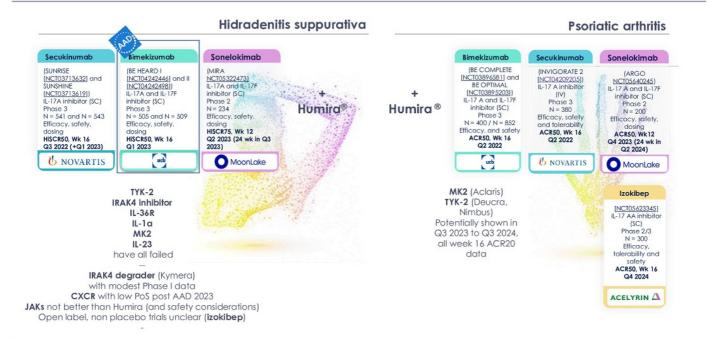


SLK has both the right MoA (IL-17F) & the molecular characteristics (small size, albumin-binding) to succeed (ACR50 & PASI100)

Note: Data is not based on Head-to-Head comparisons, 1 Mease PJ, et al. Arthritis Rheum 2005;52:3279-89; 2 McInnes IB, et al. Lancet 2015;386:1137-46; 3 Merola JF, McInnes I, Ritchin CT, et al. BE COMPLETE Abstract presented at EULAR 2022. 4 Behrens F, Taylor PC, Wetzel D, et al. Abstract presented at EULAR 2022.

Competitors: Focus on Bimekizumab

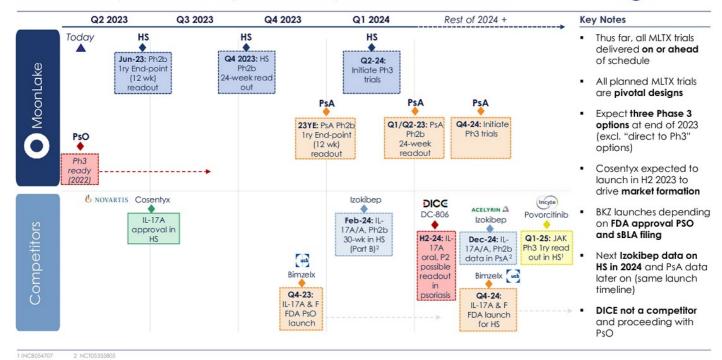




iource: MoonLake Clinical Development, Press releases, ClinicalTrials.gov

Our time: Important anticipated catalysts in the short-term







A winning MoA...

Highest efficacy

IL-17A & F inhibition showed **highest** durable HiSCR in HS (BKZ)

Safer inhibition

Long history of safety for IL-17, where Candida ("thrush") is most complicated adverse event – vs. TB, cancer, infections, CV events, death... (with TNFa or JAK1)

Only 2 molecules

SLK & BKZ – top 2 typically get 2/3 of indication bio sales (avg. \$4bn +)¹

... and a differentiated molecule

Improved convenience

Candida ("thrush") at **lower rates** vs BKZ and **monthly injections** vs. biweekly BKZ

Higher goals

Highest primary clinical endpoint with **HiSCR75**, with comparisons with gold-standard Humira™

• Elevated Efficacy ?

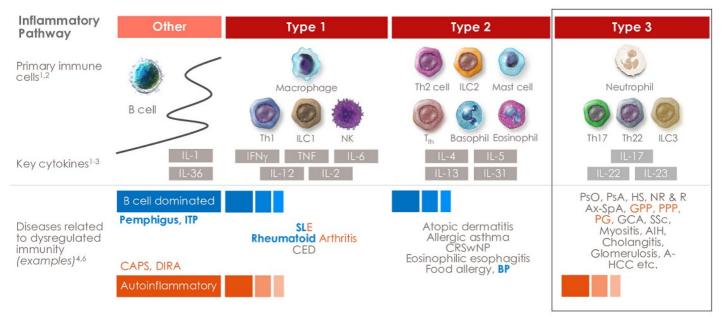
TBD – around end of June but multiple "shots-atgoal" vs BKZ – smaller (5-6x more penetration), albumin-binding (targeting to inflammation), unique binding properties (affinity, potency)

Based on analysis of 2023 sales of 11 indications (PsO, RA, Asihma, AD, AxSpA, CU, SLE, PsA, COPD, CD, UC) - 2030 ranges are even higher

Source: DRG, MoonLake

SLK is a potential leader in different Type 3 inflammatory diseases





Note: Simplified depiction based on key published information, not megat to be exhaustive in nature. AD, atopic dermatitis: IFNv, interferon gamma: IL, interfeukin: ILC, innate (wmphoid cell: NK, natural killer: Tih, folicular helper: Th. T help

1. Kaiko GE, et al. (mmunology. 2008;123:326-338, 2. Eyerich K. Eyerich S. J Eur Acad Dermatol Venereol, 2018;32:692-703, 3. Raphael I, et al. Cytokine, 2015;74:5-17.

, Malko Ge, et al. Immanutgy, 2006, 123.325-336, 25. LyenErin K., Eyellerin S. J. Ed. Schulderfüll Reneur., 2016-204-203. S. Kajilanelin et in Cyfornie. 2d 1974-277.
Nakkoyama F, et al. Amru Rev Immunol. 2017;13(5):435-437.
Nakkoyama F, et al. Amru Rev Immunol. 2017;13(5):435-437.

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- "Best in class potential" SLK is a unique molecule among all "next gen IL-17s"
- "Rarefied air" only two molecules can inhibit all IL-17 pro-inflammatory dimers, only SLK combines that MoA with unique molecular characteristics
- "MLTX = Robust trials" comparing apples-to-apples is critical, esp. in diseases like HS and PsA, and only pivotal-like designs provide differentiating insight
- "Potential Multi Bn drug" SLK may impact very large markets that are growing fast now, with potential over \$50bn, as a leading asset in Type inflammation
- "Our year" –MLTX has all key readouts among "next gen IL-17s" to end of 2023, and operates from a position of financial stability and strength



iource:

MoonLak





AAD Reflections & Treatment Landscape

Prof. Kenneth B. Gordon

Chair of Dermatology at the Medical College of Wisconsin







AbbVie, Amgen, Arcutis, Bristol Myers Squibb, Boehringer Ingelheim, Dermavant, Incyte, Janssen, Lilly, MoonLake, UCB, UNION Therapeutics

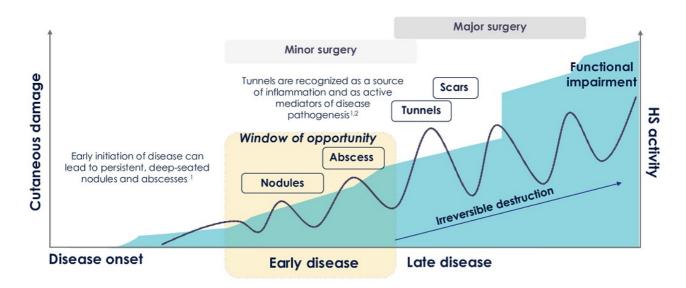
Source: Prof. Kenneth B. Gordon

Hidradenitis suppurativa: a challenge and opportunity



- · HS poses a formidable challenge
- HS is progressive and results in irreversible tissue destruction over time
- Delayed diagnosis and the subsequent delay to effective therapy is a critical gap in the management of HS
- · Prevalence likely to be underreported and further hindered by underdiagnosis and delayed diagnosis (estimated prevalence > 2%)
- Patient and societal burden is profound with extensive unmet medical need
- · Only 1 biologic approved to date
- · Options for therapy are currently insufficient

Source: Prof. Kenneth B. Gordon



Over time, chronic, untreated inflammation progresses to irreversible tissue destruction and scarring¹

Figure adopted from Martorell A., et al. Actas Dermosifiliogr, 2016; 107(Suppl 2):32–42.

1. Sabat R, et al. Nat Rev DB Primers, 2020; 6:18: 2. Navrazhina K, et al. J. Allergy Clin Immunol, 2021; 147:2213–2224.

Sauce: PG Kenneth B, Gardon, Maroll ide

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Advanced disease with deep abscesses and tunnels





off, draining tunnel: T. tunnel

Source: Pictures courtesy of Prof. Kenneth B. Gordon and Dr Gretchen M. Rott

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Late stage disease with extensive scarring and ulceration



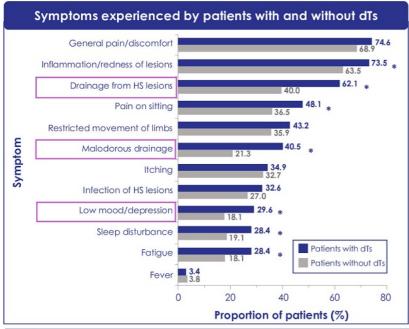


rce: Pictures courtesy of Prof. Kenneth B. Gordon and Dr Gretchen M. Roth

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Draining tunnels (dTs) cause significant pain and morbidity for patients







Patients with draining tunnels experience more inflammation, malodorous drainage from lesions, pain on sitting, and low mood/depression compared with those without draining tunnels

T, draining tunnet: Symptoms were reported by physicians using a patient record form: 1 patient with dT and 2 patients without dT had no symptoms: 1 patient with dT and 2 patients without dT had other symptoms: "p<0.05, calculated using Fisher's exact test. gram JR, et al., Presented at the 12th European Hidradenillis Suppurativa Foundation (EHSF) Conference, Florence, Italy, February 8-10, 2023, Poster P139,

HS is characterized by a profound burden for patients and society

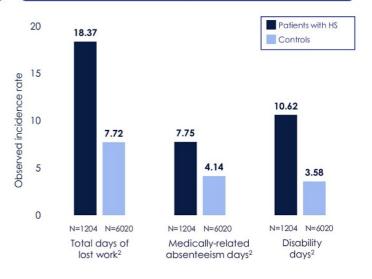


HS has a high disease burden with wide-ranging and negative consequences for patients¹

In a global survey (VOICE, n=1299) evaluating unmet needs from the perspectives of patients with HS:

- •43% of participants reported an **extreme impact** of **HS** on their lives in the past week¹
- •61% of participants rated **HS-related pain** over the past week as moderate or higher (NRS \geq 5) 1
- •61% of participants of participants reported experiencing **fatigue** in the past week¹
- •Anxiety (36%) and depression (36%) were frequently reported¹

HS also has a high associated economic and productivity burden^{2,3}



1. Garg A, et al. J Am Acad Dermatol. 2020; 82:366–376; 2. Tzellos T, et al. Br J Dermatol. 2019; 181:147–154; 3. Schneider-Burrus S, et al. Br J Dermatol 2023; 188:122–130

Source: Prof. Kenneth B. Gordon

More severe HS is associated with an increased burden of comorbidities MoonLake





Metabolic syndrome is observed in ~40% of patients with HS from an early age⁶



Patients with HS frequently have endocrine disorders, including type 2 diabetes and polycystic ovary syndrome^{1,7}



Depression and anxiety are highly prevalent among patients with HS, with patients having an elevated risk of suicide compared with the general population8-10



IBD is observed in 0.3-3% of patients with HS, which is estimated to be up to 8 times higher than in the general population globally^{11,12}



Increased risk of CV morbidity:13 CV death (95%) Myocardial infarction (57%) Ischemic stroke (33%) MACE (53%)



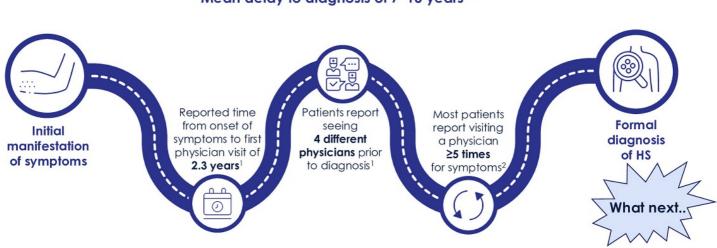
Spondyloarthritis is more prevalent in patients with HS compared with the general population¹⁴

HS is a complex disease with contributory lifestyle factors, such as obesity and smoking¹⁻⁵

et al. Not Rev Dir Primers. 2000; 4:18; 2. Work 6, et al. Br J Dermatol. 2009; 183:999-1010; 3. Rosil. Et al. Biomadcines. 2021; 9:1148; 4. Boer J. Jemes CBB. Exp Dermatol. 2021; 30:213-315; 5. Abu Roched N. et al. Int J Med Sci. 2022; 22:15250; 6. Sober B. et al. Rosil One. 2012; 7:x31810; 7. Gorg, rematol. 2018; 188:1288-1292; 22:25250; 6. Sober B. et al. Plack One. 2012; 7:x31810; 7. Gorg, rematol. 2018; 188:1288-1292; 8. Gorg A. et al. J Am Acad Dermatol. 2016; 20:242-2478; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. Lancel. 2017; 390:2768-2778; 12. Deckers B. et al. J Am Acad Dermatol. 2016; 138:32-57; 11. Ng SC, et al. La



Mean delay to diagnosis of 7–10 years 1-3



The prevalence of HS is likely to be underreported and further hindered by underdiagnosis and delayed diagnosis^{4,5}

Estimated prevalence >2%^{4,5}

Sounie DM, et al. Br. J. Dermatol. 2015; 173:1546–1549; 2. Garg. A. et al. J. Am. Acad Dermatol. 2020; 82:366–376; 3. Kokolakis G, et al. Dermatology, 2020; 236:421–430; 4. Přens LM, et al. Dermatol. 2020; 194:4100; 6. Fernandol. 2020; 6. Fernandol. 2020;

3r J Dermatol. 2022; 186:814-822; 5. Kearney N, et al. Br J Dermatol. 2022; 186:767-76

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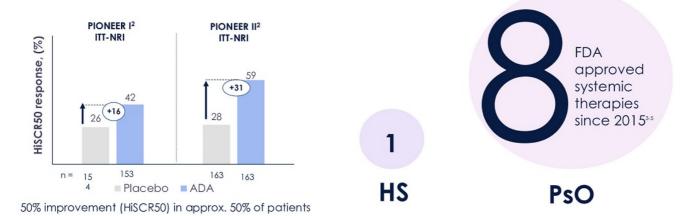
Adalimumab (Humira®) is the only approved biologic for HS



Adalimumab (Humira®1)- approved for HS by FDA 2015

- TNFa inhibitor
- Traditional mAb(~148kDa)

No new FDA approved biologic or small molecule therapy for HS since Humira® approval 2015



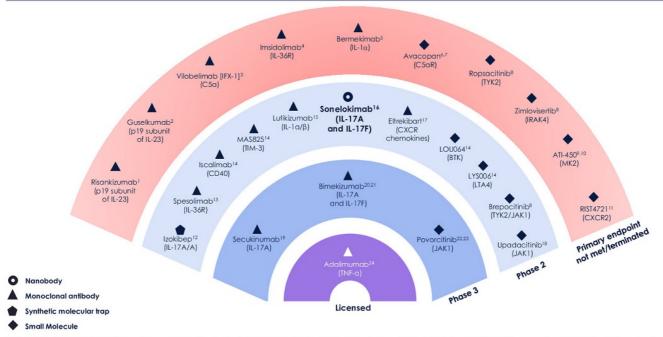
Additional therapeutics with alternative mechanisms of action and greater depth of response urgently needed

NDA, addimymab; HS, Bidrodenis Burg, Dupparelive TNA, - umor necosis factor or ITI, intension-to-treat; IN; non-respondering imputation; PNO, positionis; I. HUMBA prescribing information, available of <u>humina (naphvie.com)</u>Lost accessed; April 2023; 2, Kimball AB, et al. (18) Front (Jave 2014; 2014; 37, 18) Front (Jave 2014; 37,

al, N.Engi J. Med., 2016; 375:422-434; 3, Strycholski ML, et al., J.AAD Int., 2022; 27;9:82-91; 4, Menter A., J. Am. Acad Dermatol, 2019; 80:1029-1072; 5, Sheridan M., Drugs 2022; 82:1671-16

The fast-evolving HS clinical development landscape





NCIONIZALES: 2. NCIOSASSES 4: 3. NCIOSASSES 4: 3. NCIOSASSES 4: A nontyrsio Report HARP Phane 2 Top-Line Data of limitationab in Modernte-to-Severe Habadenilis Suppurativa. L Anaphysiia. [nc.: 5. NCIOSE25287: 7: BioSpace pressrelease 2002: 8. Kimball A. et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: NCIOSASSES 19. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: NCIOSASSES 19. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: NCIOSASSES 19. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: NCIOSASSES 19. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: NCIOSASSES 19. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: BioSpace press series 2002: 8. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: BioSpace press series 2002: 8. Kimball As et al. European Academy of ermatology and Veneropoly 2002: Ashinot 2 May 7: BioSpace 2 May 7: BioSpace 2002: Ashinot 2 May 7: BioSpace 2 May 7: BioS

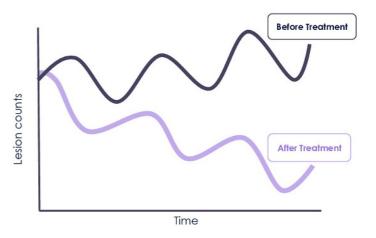
Insights and learnings from the clinical development landscape



Key insights

- **Disease pathways**; Therapeutic successes and failures (e.g., IL-23p19^{1,2}, TYK2³, MK2^{4,5}, IL-1 α^6) are helping decipher key pathways underpinning disease
- IL-17 inhibition furthest advanced from a clinical perspective (IL-17A⁷, IL-17A and IL-17F^{8,9})
- Disease activity; There is natural waxing and waning of HS disease activity 10, 11
- Placebo variation can be high in trials due to the HiSCR50 treatment bar being low and further fueled by underlying variation in disease
- Treatment goals; Need to evolve from HiSCR 50 to HiSCR 75
- Critical to have sufficient baseline disease severity going into trials; ≥ 5 AN Count, Hurley II/III

Waxing and waning of disease activity 10,11



1. NCT03926169; 2. NCT03628924; 3. Kimball A, et al. European Academy of Dermafology and Venereology 2022; Abstract 3497; 4. NCT05216224; 5. <u>Biospace press release 2023</u>; 6. NCT04988308; 7. Kimball AB, et al. Lancet. 2023; 401:747–761; 8. NCT04242446; 9. NCT04242498; 10. Micheletti, RG. Semin Cutan Med Surg 2014; 33.3 suppl; \$51-\$53. 11. Frew JW. JAAD Int. 2020; 1(2):208-221.

Course: Prof Kenneth B. Corden

Designing a robust clinical trial in HS: Integrating learnings from psoriasis MoonLake





DESIGN

Double-blind, placebo-controlled, randomized clinical trial



COMPARATOR

- Inclusion of active comparator or reference arm
- Multiple dose regimens, with "anchor dose"



SIZE/CENTER **EXPERIENCE**

- Multi-center study, n ≥ 200
- Selection of sites with relevant experience and training



ENDPOINT SELECTION

- Primary outcomes accepted by the FDA for pivotal trials; HiSCR
- High-threshold primary endpoints accepted by FDA; HiSCR 75
- Primary outcomes not accepted in pivotal trials by FDA (e.g. change from baseline AN count, IHS4)



PATIENT POPULATION

- Standardized inclusion and exclusion criteria
- Sufficiently severe; AN count ≥ 5, Hurley II & III



STATISTICAL ANALYSES

Robust statistical analyses:

Primary analysis ITT-NRI/ITT-LOCF with sensitivity analysis, primary and key secondary endpoints multiplicity controlled, stratification by disease severity and patient interventions

FDA, Food and Drug Administration; ITT-LOCF, intention to treat-last observation carried forward; ITT-NRI, intention to treat-non-responder imputation

Key study design elements of Phase 3 trials



Study element	PIONEER I / IIa	SUNSHINE / SUNRISE ^b	BE HEARD I / IIc
Stage	Phase 3	Phase 3	Phase 3
Size	n=307 / n=326	n=541 / n=543	n=505 / n=509
Design	R, DB, PC	R, DB, PC	R, DB, PC
Dose arms	se arms 1 ADA, placebo 2 SEC, placebo 3 BKZ, place		3 BKZ, placebo
Key inclusion criteria - Baseline AN count - Hurley stage	≥3 II and III	≥5 I, II and III	≥5 II and III
Primary endpoint	HiSCR50 W12	HiSCR50 W16	HiSCR50 W16
Stratification	Hurley stage and concomitant ABX (PII)	Region, concomitant ABX, and body weight	Hurley stage and concomitant ABX
Primary analysis	ITT-NRI Cochran-Mantel- Haenszel ¹	ITT-mNRI (MI) Logistic regression ² (Hurley stage, baseline AN)	ITT-mNRI (MI) Logistic regression ¹
Previous biologic use	not allowed	allowed	allowed
Concomitant ABX	not allowed / allowed	allowed	allowed
Handling of new ABX - any ABX - for HS	included NRI	included Data handling rules ³	mNRI (2° included)4 mNRI

¹including the stratification factors; ²including the stratification factors and other covariates; ³only NRI if AN count ≥50% compared to baseline; ⁴primary analysis mNRI ALL-ABX, secondary analysis mNRI HS-ABX; A=abscess, ABX=antibiotics, AR=active reference, DB=double-blind, DT=draining tunnel, ITT=intention-to-treat, PC=placebo-controlled, N=nodule, NRI=non-responder imputation, mNRI=modified NRI (only patients with missing data due to lack of efficacy or safety), R=randomized

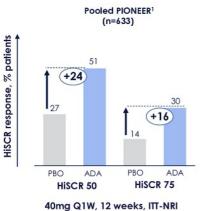
9Kimball AB, et al. N Engl J Med. 2016; 375:422-34; bKimball AB, et al. Lancet, 2023; 401:747-761; 9Kimball AB, et al. AAD 2023; Late-breaker

Source: Prof. Kenneth B. Gordon

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Phase 3: Inhibition of IL-17A and IL-17F with bimekizumab demonstrates elevated treatment outcomes as measured by HiSCR75

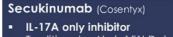
MoonLake Bimekizumab (Bimzelx) BE HEARD II³ (n=509) +24 32 +23

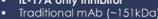


Adalimumab (Humira)

Traditional mAb(~148kDa)

TNFa inhibitor



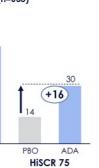


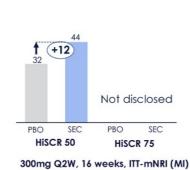
Pooled SUNSHINE/SUNRISE²

(n=1084)



IL-17A and IL-F inhibitor Traditional mAb (~150kDa)







Baseline AN Counta

Safety

10.7 - 14.4

Infection risk, cancer

12.6 - 13.9

320mg Q2W, 16 weeks, mNRI HS-ABX 16 (BE HEARD I), 16.5 (BE HEARD II)

No unexpected findings (Candida, IBD)

No unexpected findings (Candida, IBD)

Phase 3: Emerging evidence of improved overall outcomes



Secukinumab (Cosentyx)

- IL-17A only inhibitor
- Traditional mAb (~151kDa)

Can you alter tunnel development?

Patients with no increase in draining tunnels, $\%^1$ (Observed)



Can you prevent hospitalizations and surgical interventions?

Patients with any rescue surgical intervention, n (%) ² (Observed)

Week 16, n (%)	PBO N= 363	SECQ2W N = 361
Any rescue surgical intervention	19 (5.2)	8 (2.2)
Incision and drainage	17 (4.7)	7 (1.9)
Excision	2 (0.6)	1 (0.3)

EHSF, European Hidradenitis Suppurativa Foundation; SEC, secukinumab 1. Bechara FG, et al. EHSF 2023; P144; 2. Van der Zee, et al. EHSF 2023; S-0905

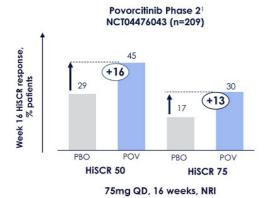
Source: Prof. Kenneth B. Gordon

Phase 2: Several JAK-1 inhibitors under investigation for HS



Povorcitinib

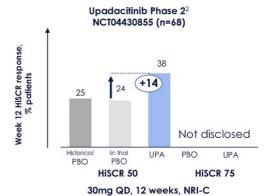
- JAK-1 inhibitor
- Small molecule



Upadacitinib (Rinvoq)

- JAK-1 inhibitor
- Small molecule





Safety

Potential for significant monitoring and cancer risk

Real question is the therapeutic window?

NRI-C, non-responder imputation incorporating multiple imputation for missing data due to COVID-19. Kirby JS, et al. EADV 2022, P0004; 2. Kimball AB, et al. AAD 2023, P43799.

Source: Prof. Kenneth B. Gordon, MoonLake

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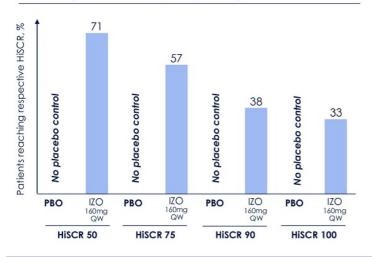
Open label: Izokibep HiSCR data "open" to interpretation



Izokibep

- Synthetic ligand trap targeting the IL-17A/A homodimer
- Small size and albumin binding domain

Week 12 (Observed data, Study Part A)1



Considerations

- · Open label, non-placebo-controlled
- · HiSCR response rates in open label studies typically do not translate in randomized placebo-controlled trials²⁻⁵

Other observations:

- One dose, n= 30 patients;
- · Low AN count at baseline (mean 9.7);
- Predominantly moderate population AN count ≥3 for enrollment;
- · Draining tunnel count not disclosed;
- 80% TEAEs; 40% injection site reactions; 1 case IBD
- · As observed analysis

zess and inflammatory nodules
artol, 2020: 82:1524-1526; 3, Kimball AB, et al, Lancet, 2023; 401:747-761; 4. Gottfieb A, et al, Journal of Investigative Dermatology 2020:140, 1538e1,545; 5, NCT04988308
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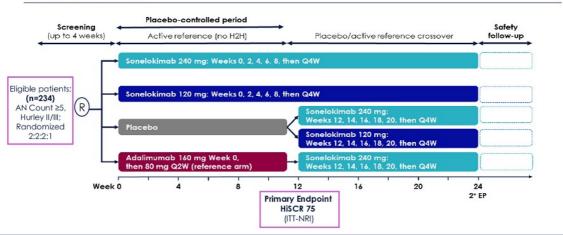
MIRA trial with the IL-17A and IL-17F inhibiting nanobody sonelokimab reading out June 2023



Sonelokimab

- IL-17A and IL-17F inhibiting nanobody
- Small size (40 kDa) Albumin binding domain

MIRA Trial Design



Prof. Kenneth B. Gordon, MoonLake

Key study design elements of the MIRA trial are comparable to pivotal Phase 3 HS trials



Study element	PIONEER I / IIa	SUNSHINE / SUNRISE ^b	BE HEARD I / IIc	MIRA
Stage	Phase 3	Phase 3	Phase 3	Phase 2
Size	n=307 / n=326	n=541 / n=543	n=505 / n=509	n=234
Design	R, DB, PC	R, DB, PC	R, DB, PC	R, DB, PC (AR)
Dose arms	1 ADA, placebo	2 SEC, placebo	3 BKZ, placebo	2 SLK, 1 ADA, placebo
Key inclusion criteria - Baseline AN count - Hurley stage	≥3 II and III	≥5 I, II and III	≥5 and	≥5 II and III
Primary endpoint	HiSCR50 W12	HiSCR50 W16	HiSCR50 W16	HiSCR75 W12
Stratification	Hurley stage and concomitant ABX (PII)	Region, concomitant ABX, and body weight	Hurley stage and concomitant ABX	Hurley stage and prior biologic use
Primary analysis	ITT-NRI Cochran-Mantel- Haenszel ¹	ITT-mNRI (MI) Logistic regression ² (Hurley stage, baseline AN)	ITT-mNRI (MI) Logistic regression ¹	ITT-NRI Cochran-Mantel- Haenszel ¹
Previous biologic use	not allowed	allowed	allowed	allowed
Concomitant ABX	not allowed / allowed	allowed	allowed	allowed
Handling of new ABX - any ABX - for HS	included NRI	included Data handling rules ³	mNRI (2° included)⁴ mNRI	incl. NRI

¹including the stratification factors; ²including the stratification factors and other covariates; ³only NRI if AN count ≥50% compared to baseline; ⁴primary analysis mNRI ALL-ABX, secondary analysis mNRI HS-ABX; A=abscess, ABX=antibiotics, AR=active reference, DB=double-blind, DT=draining tunnel, ITT=intention-to-treat, PC=placebo-controlled, N=nodule, NRI=non-responder imputation, mNRI=modified NRI (only patients with missing data due to lack of efficacy or safety), R=randomized

9Kimball AB, et al. N Engl J Med. 2016; 375;422-34; bKimball AB, et al. Lancet, 2023; 401:747-761; °Kimball AB, et al. AAD 2023; Late-breaker

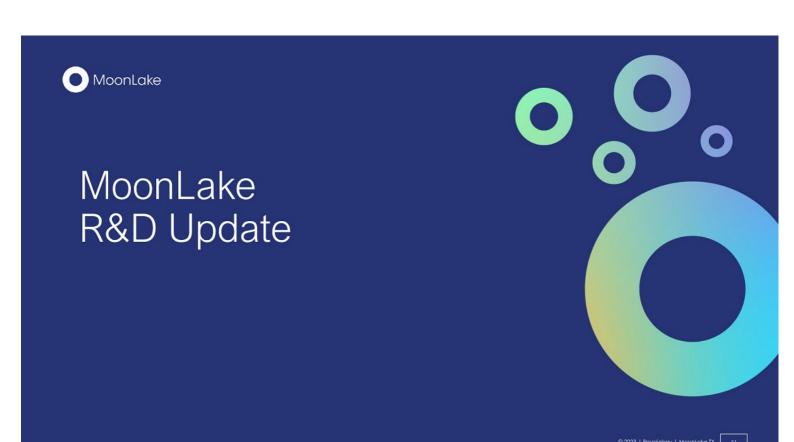
ource: Prof. Kenneth B. Gordon, MoonLake

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- Need to think long-term, consistent disease control
- Intervening early to prevent permanent adverse impact of disease
- Need to get to higher levels of response without compromising safety

Source: Prof. Kenneth B. Gordon





Key learnings from Prof. Gordon

- HS is more frequent than previously thought, with prevalence
 2% and high unmet need
- HS has low diagnostic and treatment rates but inflammation needs to be addressed early ("window of opportunity"), ideally with an asset that can impact on tunnels
- IL-17 emerging as the key therapeutic MoA, and IL-17 A & F as the leading option for patients – hope with SLK
- "Apples-to-Apples": High-quality, pivotal-like trial designs are critical – attention to detail needed to compare data

Key discussion points

- 1. IL-17F is a unique target in HS and other inflammatory diseases
- 2. A unique molecule & binding characteristics of SLK
- 3. MLTX pivotal-like study designs with read-out end of June & beyond

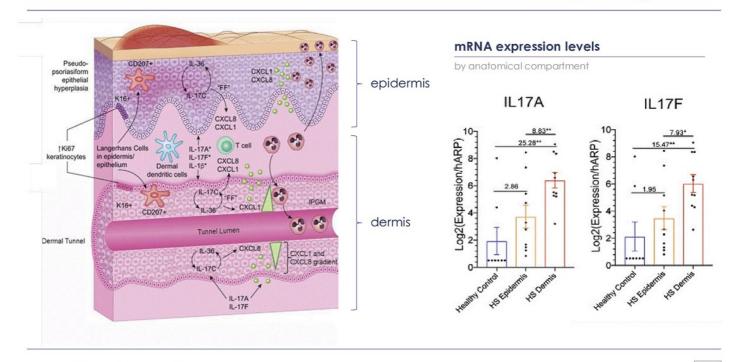


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1. Vicious circle in HS with crosstalk of immune cells with keratinocytes

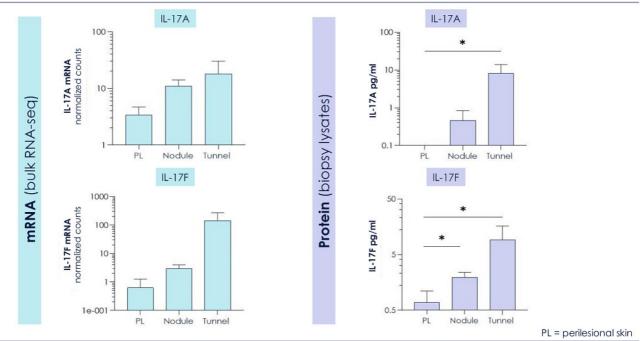




Source: Navrazhina K, et al. J Allergy Clin Immunol 2021;147:2213-24

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1. IL-17F is specifically upregulated in HS lesions

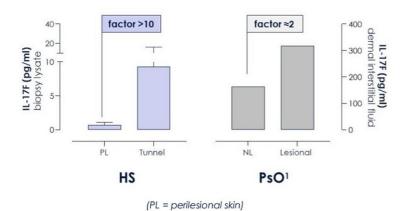


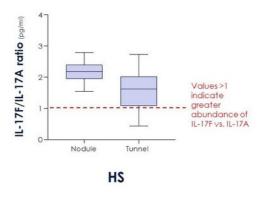
1. IL-17F is the dominant IL-17 cytokine in HS lesions





Abundance of IL-17F vs. IL-17A in lesions



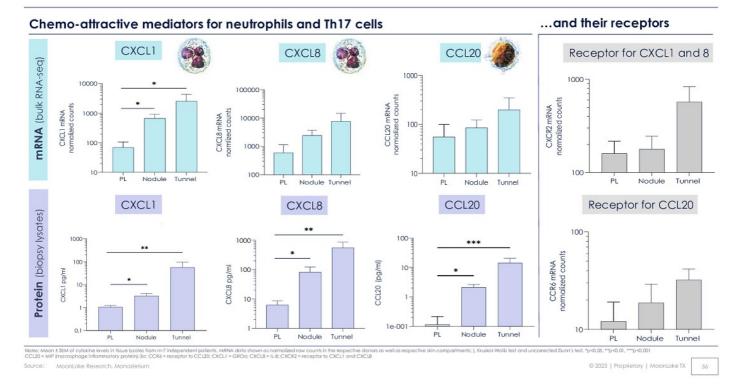


In HS inflammatory lesions, IL-17F protein levels are between 1.5 and 2.2 x higher than IL-17A

Notes: MeantSEM of cytokine protein expression levels in lysates from perilesional (PL) and lesional HS punch biopsies (n=7 independent patients with two technical replicate measurements). Differences in IL-17F protein levels were significantly different between perilesional and nondules and funnels, respectively (Mann-Whitiney test p<0.05), 1 Data from Kalbinger et al., J Alergy Clin Immunol 2017;193:923–932; differences between lesional and non-tesional (Ntl.) P30 were not significant (p=0.11) 50 source: Monotoke Research, Managaterium, Man

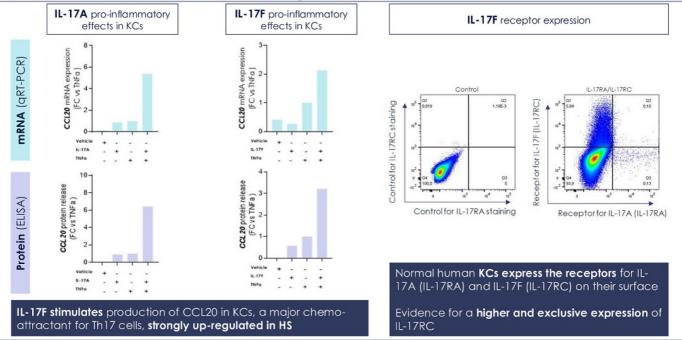
1. Upregulation of key IL-17-induced chemo-attractants in HS lesions





1. IL-17F potently activates human KCs, independently of IL-17A, to release the mediators that are upregulated in HS





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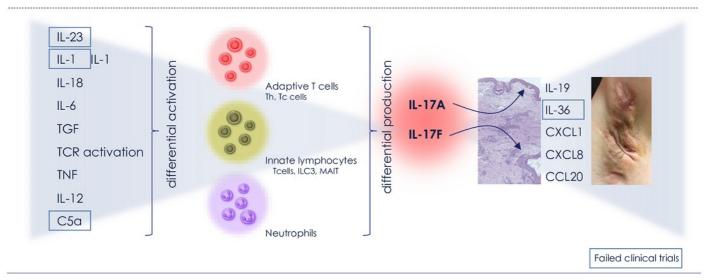
experiments. EUSA readouts are shown as meantSD versus TNFa (set at "1"), Each dots represents the average of two techniques.

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1. Why IL-17A & F inhibition is the most attractive MoA in HS



Multiple stimuli induce subsets of immune cells to produce IL-17A and F Different cell types preferentially produce IL-17 A and/or F IL-17A and F as "bottleneck" in HS pathology IL-17A and F induce multiple pro-inflammatory effectors, e.g. activation of keratinocytes



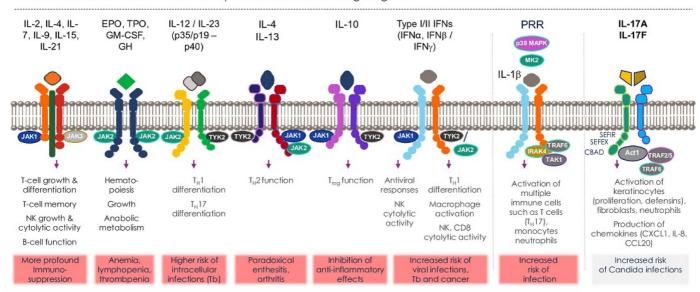
Source: MoonLake Clinical

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1. IL-17 represents a unique and potentially safer MoA vs. other options



- Jak/Tyk2 inhibitors affect multiple cytokine pathways explaining broad immunosuppressive and unwanted side effects
- · MK2 and IRAK4 are involved in the epithelial reaction to danger signals

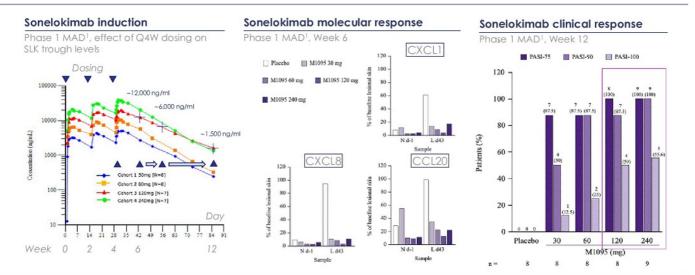


Act I, L-178 adapter protein: API, activator protein: I-AridSo, Af-Rich interaction domain SA: C/EBPB, ECAAT/enhancer-binding protein B; CBAD, C/EBPB activation domain: CD, cluster of differentiation: DOX3X, DEAD-box helicase family member: EPO, enythopocetin: GH, growth homone; GM-CSF, granulocyte-macrophage activated manufacturing tractor and in-178s. SEED, SERR extension; TaK1, IGF9 activated kinase 1: 1,, 1-helper cell: TRAF, IMF-receptor associated actor; TPO, thormopopoletin CH, your protein in the complete of the control of the contr

iource: Modified from Gadina M, et al., Rheumatalogy 2019; 58:4416; McGeachy MJ, et al., Immunity, 2019; 50:892-906, MoonLake Clinical

2. PK/PD pattern in PsO favors 'intermittent' dosing scheme





- High levels of clinical response seen at week 12 following molecular remission at week 6 ('disease cascade concept')
- PK/PASI simulations indicate stable clinical response with Q4W dosing scheme despite significant drop of SLK trough levels vs. Q2W
- PK/PASI simulations indicate maximum response with week 0, 2, 4 induction scheme and Q4W by week 20
- Induction scheme in MLTX phase 2 (HS and PsA) is week 0, 2, 4, 6, 8 as confirmed in Phllb PsO study

Svekova D. et al. J Am Acad Dermatol 2019;81:196-203; Merck Quantimed data on file

Source: MoonLake Clinical

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2. PD pattern supports disease control in PsO with intermittent inhibition OMoonLake

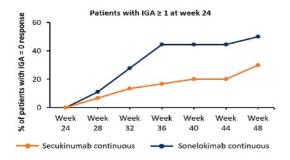




Maintenance of response in moderate-to-severe psoriasis after withdrawal of the IL-17A and IL-17F nanobody sonelokimab - Is there a role for IL-17F in disease reoccurrence?

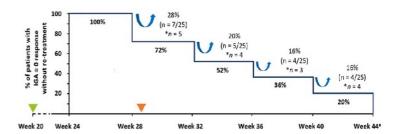
Kristian Reich 🕿, Eva Cullen, Mark Weinberg

First published: 20 April 2022 | https://doi.org/10.1111/bjd.21617



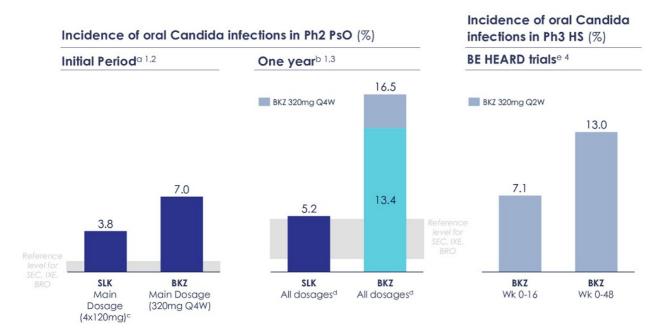
Main findings

- Disease modification: 20% of responders at week 24 do not require re-treatment to maintain full clearance at week 44, retreatment rapidly re-establishes clearance in 80% patients with disease re-occurrence
- Nanobody® allows patients that do not reach skin clearance at 24 weeks to progress to clearance at 6 months in 50% of
- SLK withdrawal/retreatment group received 50% less total monthly injections (wk 24-48) than group receiving secukinumab to reach same level of clearance



MoonLake Clinical, BJD

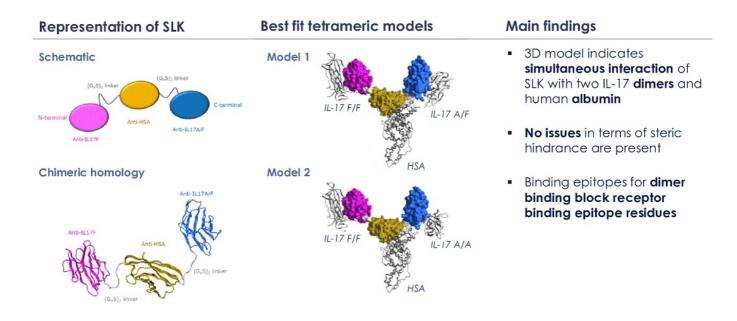
2. SLK clinical data supports a superior safety profile vs BKZ



Note: Dota is not brased on lead-to-head compositors, o for SIX Phase II and BG Chase I BR ABLS I, "Initial period" is lessed 0-12b for XIX Phase II." I year's Week I 2-c unpielestry for BC Phase II esteration IBL ABLS II." I year's Week I 2-do for RXIX Phase II." I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. 2-c unpielestry for BC Phase II. I year's Week II. I yea

2. Unique binding characteristics of SLK optimises IL-17 inhibition





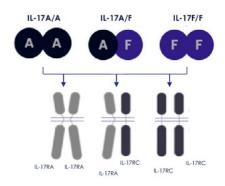
solate: Chimaric hamology model of Sux was bull using three X-ray structures of three VH4 domains (PDB ID: SCID, PDB ID: SCID, P

2. Potency of SLK is on the pM scale, much higher than CosentyxTM



 The lower the value	the higher the inhibition	

IC50 (nM) Methodology	Interaction tested	Sonelokimab	Secukinumab (Cosentxy™)	fold potency difference
Alphascreen (protein – protein interaction assay)	IL-17 AA with IL-17RA	0.039	5.23	134
	IL-17 AF with IL-17RA	0.066	4.978	75
	IL-17 AF with IL-17RC	0.026	10.40	400
	IL-17 FF with IL-17RC	0.013	n/a*	n/a*



Background knowledge: IL-17A primarily binds to IL-17RA, IL-17F primarily binds to IL-17RC¹
Our main interpretation regarding expected optimized benefit-risk profile vs BKZ:

- Largely superior potency of SLK over current IL-17 inhibitor market leader secukinumab regarding IL-17AA and AF activity
- Inhibitory profile of SLK high potency across all dimers: IL-17AA, IL-17AF, IL-17FF
- *n/a, not applicable as SEC does not bind to IL-17F

1 Goepfert A, et al. Immunity, 2020; \$2;499-512, Note: ICS0 = concentration inhibiting interaction of dimers with receptor by 50%

2. SLK is a differentiated inhibitor of IL-17A and IL-17F



Surface Plasma Resonance — K_D (normalized to SLK IL-17A/A affinity)



- SLK binds all dimers, with high affinity (or with fewer molecules), at the pM scale, incl. IL-17FF
- As previously described¹, less BKZ required to bind IL-17AA than IL-17FF (higher affinity to AA)
- SLK binds IL-17AA with 100x higher affinity than SEC, and IL-17FF with 7x higher affinity than BKZ

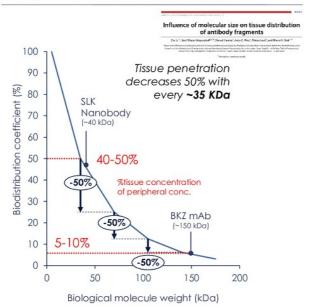
1 Adams R, et al. Front, Immunol, 11:1894

Source: MoonLake Research, Biofidus Analytical German

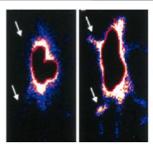
2. The penetration advantage of sonelokimab



Molecule size matters in inflammation

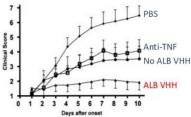


Albumin binding matters in inflammation



Distribution 24 h after iv nanobodies (left) and effects of anti-tumor necrosis factor (anti-TNF) VHH protein constructs on the clinical progression of established collagen-induced arthritis (CIA, below)

Coppleters K et al., Arthritis Rheum 54, 1856-66 (2006)

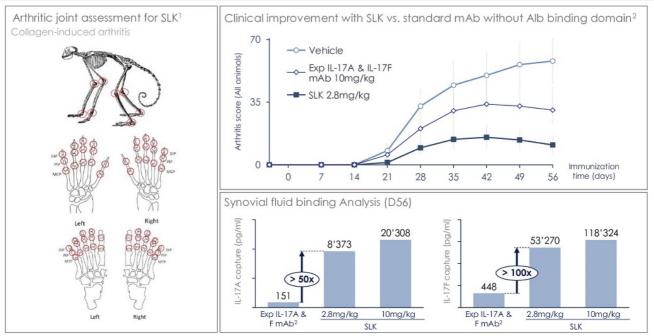


Sonelokimab's albumin-binding domain may allow for enrichment at sites of chronic inflammation

Source: Cited references, MoonLake

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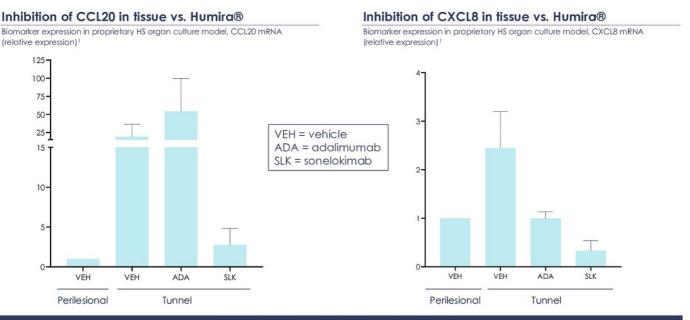
2. Arthritic joint assessment suggests SLK efficacy in deep tissue



Assessed joints for the determination of Arthritis Score. The scored joints are indicated (red circles) for the large joints (top panel), for fimb joints (middle panel) and hind limb joints (bottom panel), DIP, distal interphalangeal joint; PIP, proximal

2. SLK has enhanced inhibitory effect in deep HS lesions vs. Humira®

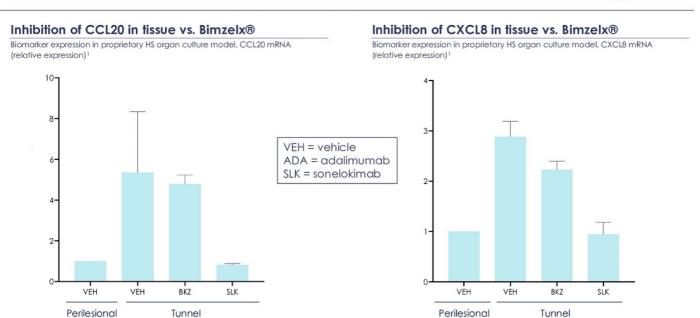




SLK inhibits inflammation in tunnels effectively

2. SLK has enhanced inhibitory effect in deep HS lesions vs. Bimzelx®



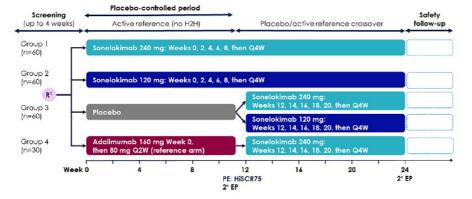


SLK inhibits inflammation in tunnels effectively

3. The MIRA trial in HS has the design of a pivotal study







Key design elements of MIRA

- Global study (North America and Europe) with approx. 60 sites
- Double-blind, placebo-controlled, active reference arm
- N=234 patients randomized
- Moderate-to-severe HS (≥ 5 lesions, Hurley 2 and 3, previous biologic use)
- HiSCR 75 as primary endpoint
- ITT-NRI as primary analysis, secondary analyses include mNRI, logistic regression with MI, as observed; PE and key secondary endpoints multiplicity controlled
- Antibiotic use for HS imputed as NR
- Stratification for Hurley stage and previous biologic use

Source: MoonLake Clinical

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3. Key MIRA design elements are comparable to pivotal HS trials



Study element	PIONEER I / II ¹	SUNSHINE/ SUNRISE ²	BE HEARDI / II ³	MIRA
Stage	Phase 3	Phase 3	Phase 3	Phase 2
Size	n=307 / n=326	n=541 / n=543	n=505 / n=509	n=234
Design	R, DB, PC	R, DB, PC	R, DB, PC	R, DB, PC(AR)
Dose arms	1 ADA, placebo	2 SEC, placebo	3 BKZ, placebo	2 SLK, 1(ADA) placebo
Key inclusion criteria - Baseline AN count - Hurley stage	≥3 II and III	≥5 I, II and III	≥5 and	≥5 and
Primary endpoint	HISCR50 W12	HiSCR50 W16	HiSCR50 W16	HIS (R75)V12
Stratification	Hurley stage and concomitant ABX (PII)	Region, concomitant ABX, and body weight	Hurley stage and concomitant ABX	Hurley stage and prior biologic use
Primary analysis	ITT-NRI Cochran-Mantel-Haenszel°	ITT-mNRI (MI) Logistic regression ^b (Hurley stage, baseline AN)	ITT-mNRI (MI) Logistic regression ^a	ITI <mark>-NRI)</mark> Cochran-Man ilei -Haenszel ^a
Previous biologic use	not allowed	allowed	allowed	allowed
Concomitant ABX	not allowed / allowed	allowed	allowed	allowed
Handling of new ABX - any ABX - for HS	included NRI	included Data handling rules ^c	NRI (2° included) ^d NRI	incl. NRI

Notes: °including the stratification factors; °including the stratification factors and other covariates; °only NRI if AN count 250% compared to baseline; °primary analysis mNRI ALL-ABX, secondary analysis mNRI HS-ABX; A=abscess, ABX=antibiofics, AR=active reference, D8=double-bind, D1=draining tunnet, IIT=intention-to-treat, PC=placebo-controlled, N=nodule, NRI=non-responder imputation, mNRI=modified NRI (only patients with missing data due to lack of efficacy or safety), R=randomized 1 Kimball AB, et al. N Engl J Med. 2016; 375:422-34; 2 Kimball AB, et al. Lancet, 2023; 401:747-7613; 3 Kimball AB et al. Late-breaker AAD 2023;

3. MIRA trial in HS: Primary and key secondary endpoints





Primary endpoint

HiSCR75¹ response at Week 12

Key secondary endpoints

- HiSCR50 response at Week 12
- % Change from baseline in IHS4
- DLQI total score of 5 or below at Week 12
- Patients achieving NRS30² in Patient's Global Assessment of Skin Pain at Week 12

Data presentation end of June

- Baseline characteristics, participant disposition, HiSCR50/75/90 by visit, lesions count change from baseline (N, A, DT) and responder endpoints (including AN90/100, DT100, ad hoc information on HiSCR100)
- Safety summary (TEAEs, AESIs, SAEs)

1 HISCR75: Clinical response per Hidradenilis Suppurativa Clinical Response [HISCR] criteria, ie, ≥75% reduction from baseline in total abscess and inflammatory nodule (AN) count, with no increase from baseline in abscess or draining fistula count, NRS30: ≥30% reduction and at least 1 unit reduction from baseline in numerical rating scale (NRS), among patients with baseline NRS ≥3; DLQI, Dermatology Life Quality index: HS4, International Hidradenilis Suppurativa Severity Score System

3. Current status of patient exposure & Baseline in MIRA trial



Patient exposure

240 220 -N=33 pts to go (~mid May) ●N=201 pts (Today) 200 180 -160 140 - 100 Supjects Safety FU 80 -60 -40 -20 -14 12 Study Week ▲ PE Baseline End of treatment

Patient baseline characteristics

Patient Characteristic	MIRA
Age, years, mean	37.6
Gender, female, %	59.8
Race, White, %	85.0
BMI, kg/m², mean	33.8
Smoking, current, %	46.6
Duration of HS, years, mean	7.8
Lesions, mean - AN count - DT	14.0 3.5
Hurley stage, % - - - -	0 66.2 33.8
DLQI, mean	12.0
Prior biologic use, $\%$	16.2
Concomitant ABX use, %	11.5

Note: Data cut-off as of April 11th

Source: MoonLake Clinica

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3. The MIRA baseline characteristics are comparable to pivotal HS trials OMOONLake



Patient characteristic	PIONEER I / II ¹	SUNSHINE / SUNRISE ²	BE HEARD I / II ³	MIRA
Age (years), mean	34.9 – 37.8	35.5 – 37.3	36.7 / 36.6	37.6
Gender, female, %	59.5 - 69.3	54 – 57	63.0 / 50.7	59.8
Race, White, %	75.8 - 87.7	74 – 81	77.8 / 81.5	85.0
BMI, kg/m², mean	31.3 – 34.5	31.4 - 32.8	33.8 / 32.3	33.8
Smoking, current, %	52.9 - 67.3	50 - 58	43.0 / 48.1	46.6
Duration of HS, years, mean	8.8 - 9.9	6.6 – 8.2	9.0 / 7.0	7.8
Lesions , mean - AN count - DT	10.7 - 14.4 3.0 - 4.6	12.6 – 13.9 3.2 – 3.6	16 / 16.5 3.8 / 3.4	14.0 3.5
Hurley stage, % - - -	0 52.3 - 54.6 45.4 - 47.7	2 - 6 51 - 60 28 - 46	0 50.3 / 61.1 49.7 / 38.9	0 66.2 33.8
DLQI, mean	14.1 – 16.3	not given	12.0 / 10.8	12.0
Prior biologic use, %	0	20 - 26	25.0 / 13.2	16.2
Concomitant ABX use, %	0/19	10 - 14	7.9 / 9.0	11.5

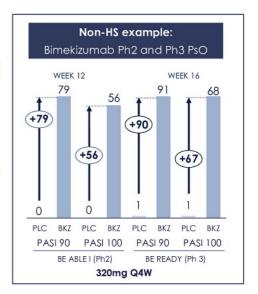


HS examples

- Adalimumab Ph2 HS results (double-blind, placebocontrolled, two active dose arms, n = 154 patients, n = 26 sites) were predictive of Ph3 results^{1,2}
- Secukinumab Ph2 HS results (open-label, uncontrolled, n = 20 patients, single-center) were not predictive of Ph3 results^{3,4}
- Bimekizumab Ph2 HS results (double-blind, placebo-controlled, active reference, one dose of BKZ, n = 88 patients, bayesian-augmented control design) were not fully replicated in Ph3^{5.6}

Non-HS example

✓ Bimekizumab Ph2 PsO results (double-blind, placebocontrolled, 5 active dose arms, n = 250 patients, multiple sites in 6 countries) were predictive of Ph3 results^{7,8}

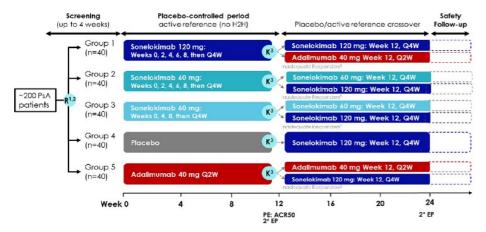


1, Kimball AB, et al. Ann Intern Med. 2012; 157:846-55; 2, Kimball AB, et al., Br J Demratol. 2014; 17 1;1434-42 and personal communication: 3. Casseres RG, et al., J Am Acad Demratol. 2020; 82:1524-1526; 4, Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., JAMA Demratol. 2021; 157:1279-1288; 6. Kimball AB et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., Lancet, 2021; 397:475-486; 6. Kimball AB, et al., Lancet, 2023; 401:747-7613; 5. Glaft S, et al., L

3. ARGO trial in PsA: will release data towards end of 2023







Key design elements of ARGO

- Global study (North America and Europe) with approx. 60 sites
- Double-blind, placebo-controlled, active reference arm
- N=200 patients planned to be randomized
- Active PsA (TJC68 ≥3, SJC ≥3, currently active PsO and/or dermatologist confirmed diagnosis of PsO)
- ACR50 as primary endpoint
- ITT-NRI as primary analysis; key secondary endpoints multiplicity controlled
- Stratification for gender and previous biologic use

Notes: Sandamisation startlifed by sax (marieffemale) and prior exposure to biologic agents byst/no; 2.4 Tieothern Period at Week 0,000 yt., at eligible participants will be randamised 13:11:11:13 in the cross-ower period, starting at Week 12, participants on sonetakimab 120 mg (and will Week 2, participants on sonetakimab 120 mg (and will Week 2.4; participants on sonetakimab 120 mg (as well week 2.4; participants on sonetakimab 120 mg (as well week 2.4; participants on sonetakimab 120 mg (as well week 2.4; participants on sonetakimab 120 mg (as well week 2.4; participants on adalimumab that have not achieved an adequate response will receive sonetakimab 120 mg (as well week 2.4; participants on adalimumab that have not achieved an adequate response will receive sonetakimab 120 mg (as well week) at an adequate response will receive sonetakimab 120 mg (as well week) at an adequate response will receive sonetakimab 120 mg (as well week) at an adequate response will receive sonetakimab 120 mg (as well week) at a manufacture of the sonetakimab 120 mg (as well week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as well week) at an adequate response will receive sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as well week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg (as week) at a manufacture of the sonetakimab 120 mg

3. ARGO trial in PsA: Primary and Key Secondary Endpoints





Primary endpoint

ACR50 response¹ at Week 12

Key secondary endpoints

- PASI90 response at Week 12 (patients with psoriasis involving ≥3% BSA at baseline)
- ACR20 response at Week 12

Other secondary endpoints

- ACR70 response at Week 12
- Minimal disease activity (MDA) at Week 12, defined as meeting 5/7 of the following:
 - ≤1 tender joint

Patient global activity score ≤20 (0–100 VAS)

– ≤1 swollen joint

- HAQ-DI score ≤0.5
- PASI score ≤1 or psoriasis affecting ≤1% BSA
 ≤1 tender entheseal point
- Pain score ≤15 (0–100 VAS)
- Health Assessment Questionnaire Disability Index (HAQ-DI) at Week 12

1 ACSS): 50% improvement in tender joint court (86 joints) and swalten joint j



Summary: Differentiating science and clinical development of SLK

IL-17F is a unique target in HS and other inflammatory diseases

- IL-17F is specifically upregulated in HS more than in PsO
- Evidence for pro-inflammatory role independent of IL-17A

Unique molecule and binding characteristics of sonelokimab

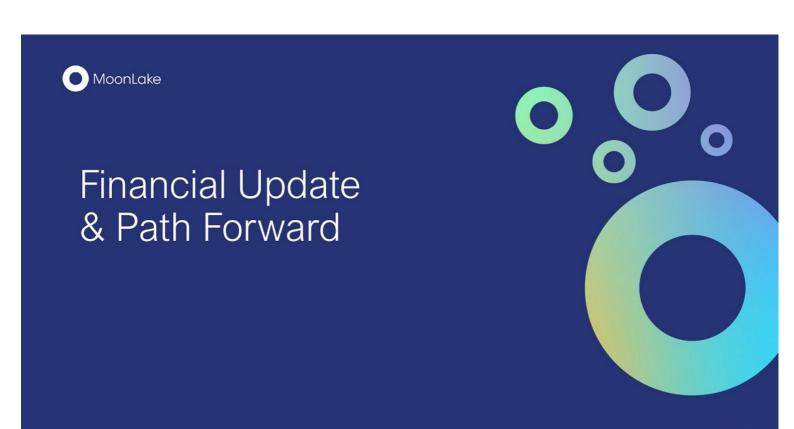
- Simultaneous binding of serum albumin and two IL-17 dimers
- Potent inhibition of IL-17A/A with high affinity (100x more than SEC)
- Equal affinity for IL-17F/F, differently from BKZ
- Evidence for unique ability to penetrate deep tissues (small size, albumin-binding)

HS phase 2 study: pivotal-like study design with read-out end of June

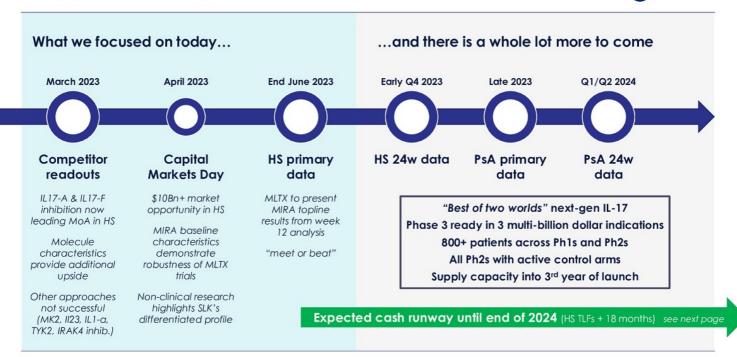
- Baseline characteristics of participants similar to pivotal HS trials
- Phase 2 PsA trial ahead of schedule with primary read-out expected end of 2023



Source: MoonLoke Clirical © 2023 | Proprietary | MoonLoke TX





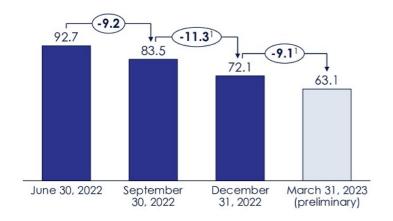


Source: MoonLake Corporate





Cash, cash equivalents & short-term marketable securities $\mbox{In USD}\ \mbox{M}$



- MLTX ended Q1-2023 with \$63.1m in cash, cash equivalents and short-term marketable debt securities (at zero debt)
- Cash burn in Q1-2023 of \$9.1m demonstrating cost-efficient set up and focus of MLTX
- Expected runway until the end of 2024, i.e. HS readout +18 months, covering:
 - Completion of ongoing Ph2 programs in HS and PsA
 - Preparation of Ph3s
 - All other base spend

1 Differences may not add up due to rounding

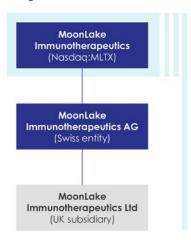
Source: MoonLake Corporate

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Organizational chart



- · Publicly listed company and domestic filer
- Duly incorporated under the laws of the Cayman Islands
- Last remaining lock-ups from Business Combination released in Feb. 2023
- Controls MoonLake Immunotherapeutics AG¹
- Total diluted share count of 53.4m2

Class A Ordinary Shares: 43,654,455
 Class C Ordinary Shares¹: 9,046,656
 Unexercised options: 511,979

S3 eligibility from May 1st 2023

1. At the Closing of the Business Combination between Helix Acquidition Corp (prior to the Closing, "Helix", and after the Colosing" And Monotucke (as Cardinary States expected 33.8898 Mg Monotucke Class A Coldinary States expected 43.8898 Mg Monotucke Class A Coldinary States expected for Monotucke (as Cardinary States expected 43.8898 Mg Monotucke Class A Coldinary States expected for Monotucke (as Cardinary States expected 43.8898 Mg Monotucke Class A Coldinary States expected for Monotucke (as Cardinary States) and the such as a Cardinary States expected for Monotucke (as Cardinary States) and the such as a Cardinary States expected for Monotucke (as Cardinary States) and the such as a Cardinary States expected for Monotucke (as Cardinary States) and the such monotucke (as Cardinary States) and the such as a Cardinary States expected for Monotucke (as Cardinary States) and the such as a Cardinary States (as Cardinary States) and the such as a Ca

2 As per April 16, 2023

Source: MoonLake Corporate



Strong share price accompanied by increase in trading volume





Source: MoonLake Corporate, Yahoo Finance, Analyst reports





Current owner

- **Phase 3 preparation well under way** incl. study designs, end-of-Ph2 meeting prep, clinical supply, autoinjector partnership, and org ramp up
- HS and PsA are feasible (also commercially), AS and nr-axSpA are "low hanging fruits", PsO remains "locked value", other indications provide significant optionality
- Timing, approach and size of raise as per strategic interests of MLTX strong conviction of existing shareholders and new investors



Better owner

- Strategic interest in I&I remains high and SLK is a leading asset now in Derm and Rheum, with strategic potential across multiple indications and TAs
- Logic of synergies, speed and breadth to leverage an existing Ph III organization & leading commercial operation
- Single asset setup, simple org and concentrated ownership provide a "deliverable deal"

MoonLake Corporate



