

Corporate Presentation

January 2017

Forward-Looking Statements

Certain of the statements made in this presentation may constitute forward-looking information within the meaning of applicable Canadian securities law and forward-looking statements within the meaning of applicable U.S. securities law. These forward-looking statements or information include, but are not limited to statements or information with respect to the projected worth of the lupus nephritis (LN) market, that voclosporin is potentially a best-in-class calcineurin-inhibitor (CNI) with robust intellectual property exclusivity and the likelihood of data exclusivity in major markets, the expectation that voclosporin will be the only CNI with a label for LN, the expected progress of the AURION study; the anticipated commercial potential of voclosporin for the treatment of LN; and anticipated interactions with the US Food and Drug Administration. When used in these marketing materials, the words "anticipate", "will", "believe", "estimate", "expect", "intend", "target", "plan", "goals", "objectives", "may" and other similar words and expressions, identify forward-looking statements or information.

We have made numerous assumptions about the forward-looking statements and information contained herein, including among other things, assumptions about: the market value for the LN program; that another company will not create a substantial competitive product for Aurinia's LN business without violating Aurinia's intellectual property rights; and the size of the LN market. Even though the management of Aurinia believes that the assumptions made and the expectations represented by such statements or information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate.

Forward-looking information by their nature are based on assumptions and involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Aurinia to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information. Should one or more of these risks and uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in forward-looking statements or information. Such risks, uncertainties and other factors include, among others, the following: the market for the LN business may not be as estimated; and competitors may arise with similar products.

Although we have attempted to identify factors that would cause actual actions, events or results to differ materially from those described in forward-looking statements and information, there may be other factors that cause actual results, performances, achievements or events to not be as anticipated, estimated or intended. Also many of the factors are beyond our control. There can be no assurance that forward-looking statements or information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly you should not place undue reliance on forward-looking statements or information.

Except as required by law, Aurinia will not update forward-looking information. All forward-looking information contained in this presentation is qualified by this cautionary statement. Additional information related to Aurinia, including a detailed list of the risks and uncertainties affecting Aurinia and its business can be found in Aurinia's most recent Annual Information Form available by accessing the Canadian Securities Administrators' System for Electronic Document Analysis and Retrieval (SEDAR) website at www.sedar.com or the U.S. Securities and Exchange Commission's Electronic Document Gathering and Retrieval System (EDGAR) website at www.sec.gov/edgar.





Clinical-stage biopharmaceutical company focused on high unmet medical need in the global nephrology and autoimmunity markets



Seasoned management team with extensive experience with lupus nephritis (LN) treatments



Lead program - **Voclosporin** is entering Phase III for the treatment of LN– an area with significant morbidity & mortality and high unmet need



Readily available multi-billion \$ market; IP protection in the US until at least until late 2022 with Patent Term Extension (PTE) to late 2027; in addition to data exclusivity in major markets



SLE & LN Overview & Symptomatology



- 1. Lupus Foundation of America website: <u>http://www.lupus.org/about/statistics-on-lupus</u>
- NIDDK, Lupus Nephritis. <u>https://www.niddk.nih.gov/health-information/health-topics/kidney-disease/lupus-nephritis/Pages/index.aspx</u>. Accessed July 26, 2016.
- 3. Maroz N, Segal MS. Am J Med Sci. 2013;346(4):319-23.
- 4. Lupus Foundation of America, <u>http://www.lupus.org/resources/15-questions-kidney-issues-and-lupus1</u>. Accessed July 26, 2016.



NO FDA OR EMA APPROVED LN THERAPIES

The Economic Burden of Patients Suffering from Lupus Nephritis Can Exceed \$60K/year



^{1.} Li T, et al. Arthritis Rheum. 2009;61(6):755-763. 2. Carls et al., JOEM., Volume 51, No. 1, January 2009



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Despite use of mycophenoloate mofetil (MMF) or IVC, majority of LN patients fail to achieve complete remission (CR), or renal response



*A decrease in urine protein/creatinine ratio (P/Cr) to <3 in patients with baseline nephrotic range P/Cr (≥3), or by ≥50% in patients with subnephrotic baseline P/Cr (<3).

1. Hahn BH, et al. Arthritis Care Res (Hoboken). 2012;64(6):797-808.

2. Appel GB, et al. J Am Soc Nephrol. 2009;20(5):1103-1112



Proteinuria Correlates with Long-Term Outcomes

Rapid control & reduction of proteinuria in lupus patients may show a reduction in the need for dialysis¹



1. Chen YE, et al. Clin J Am Soc Nephrol. 2008;3(1):46-53. Response = 50% reduction in proteinuria; Remission = proteinuria <.33 g/24 hrs..



Our Solution - Voclosporin - Key Benefits 1,2,3





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Voclosporin LN Clinical Program



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AURION: Study Design

Single-arm, twin center exploratory study assessing predictive value of an early reduction in proteinuria in subjects receiving voclosporin (23.7 mg BID) + SoC in patients with active LN



Primary analysis:

Number of patients achieving each of the following biomarkers and the number of these patients who go on to achieve week 24 or week 48 remission.

Biomarkers:

- 25% reduction in urinary protein creatinine ratio (UPCr) at 8 weeks
- C3 normalization at 8 weeks
- C4 normalization at 8 weeks
- Anti-dsDNA normalization at 8 weeks

Secondary analyses:

24, 48 week outcomes, markers of SLE, PK/PD voclosporin in LN subjects

C3, complement 3; C4, complement 4; anti-dsDNA, anti-double-stranded DNA.



AURION: 24-week data

Data show rapid proteinuria reduction and induction of early remission

Mean proteinuria reduction at 24 weeks is 61%*^ using voclosporin as an add-on to SoC

70% (7/10) achieved **CR** at 24 weeks

CR defined as a UPCr of ≤0.5 mg/mg, eGFR within 20% of baseline and concomitant steroid dose of ≤ 5 mg/day

UPCR Pre-Treatment and Week 24



* LOCF 12 weeks. Subject withdrew from study at 12 weeks.



C3 & C4: Biomarkers of lupus renal flare

Improve After 24 Weeks* of Therapy, while Renal Function (CKD-EPI) Remains Stable



eGFR assessed through CKD-EPI formula Renal function is stable (as measured by eGFR) throughout the treatment period

LN Inflammatory markers are positively impacted after 24 weeks of SoC with voclosporin

*LOCF for subject 7 – subject withdrew from study at 12 weeks.





Complete Remission rates improve over time—50% at 8 weeks; 70% at 24 weeks



Supports voclosporin (23.7 BID) is the optimal dose for phase III program



Renal function remains stable and inflammatory markers continue to normalize



The AURION study is a supportive proof of concept study



Study aims to demonstrate that voclosporin added to SoC can increase speed of remission & overall remission rates in the presence of extremely low steroids; Primary endpoint: 24-week data in Q3 2016





AURA Key Inclusion Criteria & Outcome Measures

KEY INCLUSION CRITERIA

Diagnosis of SLE according to ACR criteria Biopsy proven LN [Class III, IV or Class V (alone or in combination w/Class III or IV)]

Proteinuria of ≥1.5 mg/mg OR ≥2 mg/mg* Indicative of highly active disease

PRIMARY OUTCOME MEASURES

The proportion of subjects achieving complete remission (CR) at 24 weeks

CR is defined as: Confirmed urinary protein/creatinine ratio of ≤0.5 mg/mg

Normal, stable renal function ($\geq 60 \text{ mL/min}/1.73\text{m}^2 \text{ or}$ no confirmed decrease from baseline in eGFR of $\geq 20\%$)

Presence of sustained, low dose steroids (≤10mg prednisone from week 16-24)

No administration of rescue medications

KEY SECONDARY OUTCOME

Partial Remission, Time to Remission, Time to Partial Remission, Durability of remission and extra-renal activity (SLEDAI) at 24 & 48 weeks

*≥2 mg/mg refers to Class V patients



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AURA Top-Line Primary End-Point Results: Complete Remission (CR)

First therapeutic agent to meet primary endpoint in global clinical trial for active LN

PRIMARY OUTCOME MEASURES







AURA Top-Line Secondary End-Point Results: Partial Remission (PR)

First therapeutic agent to achieve ALL 24 week pre-specified secondary endpoints* in global clinical trial for Active LN

SECONDARY OUTCOME MEASURES

70% of patients in voclosporin treatment arm achieved PR (*p=0.007*); compared to 49% in control arm
- Odds Ratio (95% CI) (low-dose) vs. Control = 2.35

Percentage of subjects in PR at 24 weeks





AURA Top-Line Secondary End-Point Results: Time to CR & PR

First therapeutic agent to meet ALL 24 week pre-specified secondary endpoints in global clinical trial for Active LN

SECONDARY OUTCOME MEASURES

A statistically significantly faster time to CR & PR vs. patients in the control group





Post-Hoc Responder Analysis: Median Time to CR for those in CR

Voclosporin 23.7mg BID achieves CR significantly faster than control arm





AURA-LV Top-Line Secondary End-Point Results: *sledAl Score*

First therapeutic agent to meet ALL 24 week pre-specified secondary endpoints in global clinical trial for Active LN

SECONDARY OUTCOME MEASURES

A statistically significant improvement of SLEDAI score vs. baseline in volcosporin 23.7mg BID (*p*<.01) vs. patients in the control group



SLEDAI at Baseline







AURA Top-Line Secondary End-Point Results:

UPCR (mg/mg) (Mean ± SD) Over Time

First therapeutic agent to meet ALL 24 week pre-specified secondary endpoints in global clinical trial for Active LN

SECONDARY OUTCOME MEASURES

A statistically significant reduction in UPCR from baseline for voclosporin 23.7mg BID arm vs. patients in the control group





AURA: eGFR Renal Function Data

Renal function remains stable over time as measured by eGFR



eGFR (mL/min/1.73m²) over time (Mean \pm SD)



AURA Top-Line 24 week Primary/Secondary End-Point Results

PRIMARY OUTCOME MEASURES

23.7mg BID voclosporin demonstrated:

> a statistically significantly higher CR vs. patients in the control group (p=.045)

SECONDARY OUTCOME MEASURES

23.7mg BID voclosporin demonstrated a:

- statistically significantly higher PR (50% reduction in UPCR over baseline) (p=.007)
- statistically significantly faster time to CR (UPCR ≤ 0.5mg/mg) (p=.002)
- statistically significantly faster time to PR (p=.001)
- statistically significant reduction in UPCR (both FMV & 24hr Urine) (p<.01)</p>
- statistically superior reduction in SLEDAI (p=.003)



AURA Safety Summary

No new safety signals were observed with the use of voclosporin in LN patients; voclosporin was well-tolerated & renal function remained stable

The **overall safety** profile is **consistent** with other immunomodulators

In previous studies, > 2000 patients have been treated with voclosporin with no abnormal or unexpected SAE's—this remains the case upon review of the AURA data 13 deaths have been reported in the AURA study: pattern is consistent with other global Active LN studies^{1,2,3}

11 of 13 deaths occurred at sites with **compromised access to SoC**; patients who died had a statistically different clinical baseline picture, demonstrating a more severe form of LN, potential comorbid conditions & poor nutrition

The Drug Safety Monitoring Board continues to meet on a regular basis & provides recommendations on study protocol/conduct. The AURA study remains ONGOING to its 48 week secondary endpoints

1 Furie R. et al., Arthritis and Rheumatology, Vol. 66, No 2, February 2014 2 Appel GB, et al. J Am Soc Nephrol. 2009;20(5):1103-1112 – Aspreva Lupus Management Study (Induction) 3.Mysler, E. et al., Arthritis and Rheumatixm, Vol. 65, No 9, September 2013, 2368-2379



Historical Safety & Mortality Rate across Global LN Trials

AURA is consistent with other Global LN Trials in terms of safety & mortality

	AURA-LV ⁴ VCS High N = 88 VCS Low N = 89 MMF N = 88 (to Dec 18th/16)	ALMS Induction ² MMF N = 184 IVC N = 180	Abatacept Study ¹ MMF N = 100 ABT H N = 99 ABT L N = 99 Marketed as: ORENCIA TM	Ocrelizumab Study ³ MMF/EULN N = 125 ABT H N = 127 ABT L N = 126
SAE's, Subjects, n (%)	Overall = 59 (22.3%) VCS High = 22 (25.0) VCS Low = 23 (25.9) MMF = 14 (15.9)	Overall = (25.3%) MMF = 51 (27.7) IVC = 41 (22.8)	Overall = 92 (30.9%) MMF = 31 (31.0) ABT H = 33 (33.3) ABT L = 28 (28.3)	Overall = 107 (28.3%) MMF/EULN = 34 (27.2) OCR H = 28 (22.0) OCR L = 45 (35.7)
Serious Infections, Subjects n (%)	Overall = 29 (10.9%) VCS High = 11 (12.5) VCS Low = 11 (12.4) MMF = 7 (8.0)	Overall = (10.9%) MMF = 22 (12.0) IVC = 18 (10.0)	Overall = 58 (19.5%) MMF = 17 (17.0) ABT H = 23 (23.2) ABT L = 18 (18.2)	Overall = 64 (16.9%) MMF/EULN = 18 (14.4) OCR H = 19 (15.0) OCR L = 27 (21.4)
Deaths, Subjects, n (%)	Overall = 13 (4.9%) MMF = 1 (1.1) VCS Low = 10 (11.2) VCS High = 2 (2.3)	Overall = 14 (3.8%) MMF = 9 (4.9) IVC = 5 (2.8)	Overall = 14 (4.7%) MMF = 7 (7.0) ABT H = 5 (5.1) ABT L = 2 (2.0)	Overall = 14 (3.7%) MMF/EULN = 6 (4.8) OCR H = 5 (3.9) OCR L = 3 (2.4)

1. Furie R. et al., Arthritis and Rheumatology, Vol. 66, No 2, February 2014

Appel GB, et al. J Am Soc Nephrol. 2009;20(5):1103-1112 – Aspreva Lupus Management Study (Induction)
 Mysler, E. et al., Arthritis and Rheumatism, Vol. 65, No 9, September 2013, 2368-2379
 AURA-LV Study results – Aurinia data on file



Post AURA Regulatory Interactions



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Voclosporin has Fast-track designation



Comprehensive safety and efficacy package submitted and reviewed by the Division of Pulmonary, Allergy & Rheumatology at FDA



FDA preference is ONE phase III double-blind placebo controlled 52-week study



Engaging with the EMA and PMDA to lay out development plan in those jurisdictions



AURORA Study Design: Phase III

52-week global double-blind placebo controlled study to demonstrate that voclosporin added to SoC can increase overall renal response rates in the presence of extremely low steroids;

Primary endpoint: Renal response (or CR) at 24 weeks – available after unblinding at 52 weeks







AURORA vs. AURA Key Inclusion Criteria



The AURA Phase IIB and the AURORA phase III study have nearly identical inclusion criteria, but lengthened biopsy requirement should facilitate improved study recruitment in the United States

*≥2 mg/mg refers to Class V patients; ^For Class II & IV when accompanied by laboratory evidence of active disease within 6 months



AURORA vs. AURA Primary Outcome Measures

PRIMARY OUTCOME MEASURE

AURA Phase IIB

<u>Complete Remission</u> is defined as: Urinary protein/creatinine ratio (UPCR) of ≤0.5 mg/mg

+

Normal, stable renal function (≥60 mL/min/1.73m² or no confirmed decrease from baseline in eGFR of >20%)

+

Presence of sustained, low dose steroids (≤10mg prednisone from week 16-24)

+

No administration of rescue medications

Renal Response is defined as: Urinary

AURORA

Phase III

protein/creatinine ratio (UPCR) of ≤0.7 mg/mg

+

Normal, stable renal function (≥60 mL/min/1.73m² or no confirmed decrease from baseline in eGFR of >20%)

+

Presence of sustained, low dose steroids (≤10mg prednisone from week 16-24)

+

No administration of rescue medications

The AURA Phase IIB and the AURORA phase III study have nearly identical primary end-points, however the UPCR .7mg/mg provides improved discrimination vs control



AURA Post-hoc Subset Analysis: *upcr* ≤.7*mg/mg*

Recent data suggests that utilizing .7mg/mg as a component of measuring CR may be superior to utilizing .5mg/mg when correlating CR to long-term outcomes – Renal Survival^{1,2}



¹Tamirou F,Lauwerys BR, Dall'Era M,et al. A proteinuria cut-off level of 0.7 g /day after 12 months of treatment best predicts long-term renal outcome in lupus nephritis: data from the MAINTAIN Nephritis Trial. Lupus Science & Medicine 2015;2 ²Dall'Era et al. Predictors of long term outcomes in lupus nephritis Trials. Arthritis and Rheumatology, 67: 1305–1313

Aurinia

LN Commercial Considerations



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SLE & LN patients in the US



NIDDK, Lupus Nephritis. <u>https://www.niddk.nih.gov/health-information/health-topics/kidney-disease/lupus-nephritis/Pages/index.aspx</u>. Accessed July 26, 2016.
 The MarketScan[®] Research Databases, Truven Health Analytics, <u>http://truvenhealth.com/your-healthcarefocus/analytic-research/marketscan-research-databases</u>. Data as of July 2016.



Commercial Prospects for Voclosporin

Treated LN Population*		125 – 200K	* * * * * * * * *	175 – 250K		
Quality of diagnosis by referring physicians*	In US and EU, 1 in 5 lupus nephritis patients are thought to be undiagnosed due to referring physicians being inefficient and inaccurate in diagnosing the condition.					
	Controlled	Poorly controlled	Active disease			
Current proportion of controlled vs uncontrolled pts*	Maintenance	, , , , , , , , , , , , , , ,	Induction	When surveyed, physicians would use this product for both maintenance and induction phases		
	58%	25%	17%			
Frequency of visit*	Every 3 months	Every 1-2 months	> Once a month			
Current treatment*	Hydroxychloroquine, MMF, and steroids are most commonly used in the largest shares of patients.					
Satisfaction*	Only 18% of physicians were very satisfied or extremely satisfied with currently available therapies ability to achieve a CR within 6 months					

*Aurinia market research conducted in 2016 with ~700 Rheumatologists and Nephrologist across Europe and the United States



LN Cycle of Disease Process & Flare Rates*



*Aurinia market research conducted in 2016 with ~700 Rheumatologists and Nephrologist across Europe and the United States



Voclosporin—Potential to Address LN Critical Need









Upcoming Milestones

Q4 2016

FDA End of Phase II Meeting

Q4 2016

ACR Scientific Meeting Abstracts – LATE BREAKER

Q4 2016

ASN Scientific Meeting Abstracts – LATE BREAKER

Q4 2016/Q1 2017

Ongoing Global Regulatory Interactions

Q1 2017 AURA-LV 48 week results

Q2 2017

AURION 48 week results

Q2 2017

Initiation of Phase III program - AURORA

MANAGEMENT WITH TRACK RECORD OF INDUSTRY SUCCESS & EXTENSIVE EXPERTISE IN LN

SOLID EFFICACY AND SAFETY PACKAGE

>2,000 patients treated with voclosporin to date (across indications) → well-characterized safety profile

Positive PoC and Phase IIB data from AURA show efficacy in Multiple Dimensions

Positive interactions with multiple regulatory authorities

Only one Phase III clinical trial required by the FDA prior to a NDA submission

LARGE AND WELL-DEFINED MARKET OPPORTUNITY >\$1B

LN has significant unmet medical need with an extremely high pharmaco-economic burden LN patients appear to be readily available for advanced treatments and easily identified by specialty treaters

FDA FEEDBACK – ONE MORE PHASE III NEARLY IDENTICAL TO AURA



THANK YOU



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