

Dear All,

I would like to give you a warm welcome to the Second International Ataxia Research Conference.

GoFAR is proud to host the Conference in the ancient city of Pisa. Although it is known worldwide for its Leaning tower, the city is home to a number of architectural treasures. It conserves the memories of its glorious past as a Maritime Republic.

Pisa is a seat of one of the oldest universities in the world and famous for being the birthplace of, among others, Galileo Galilei, the father of a modern scientific thought. We hope that the example of Galileo and the magical atmosphere that surrounds Pisa, can generate new vigor among the participants to adequately respond to the great need of patients with ataxia of an effective treatment.

Our aim is to have a stimulating conference where participants will bring new ideas and fruitful collaborations paving the road for a cure.

Patients ask for a cure!

We thank you in advance for contributing to the success of the Conference by your attendance and participation.

Filomena D'Agostino President of GoFAR

Dear Participants,

Welcome to the Second International Ataxia Research Conference.

This conference is co-organized by GoFAR (Italy), Ataxia UK and FARA (USA).

We are delighted to welcome you to Pisa, in Italy for three and half days of discussion of the ataxias.

The meeting has been designed as a comprehensive scientific review of new research from disease definition to therapeutic treatments across different types of ataxia. We have also included a few select talks from people outside of the ataxia research community, who will bring new ideas to our field. We have academic researchers, clinicians, industry drug developers, regulators, patient group representatives and people with ataxia attending this meeting, and hope to foster collaborations between attendees from different areas.

We hope the meeting will provide you with many new ideas and new collaborations that will help your research and drug development efforts move forward. Speakers have been asked to leave time at the end of every talk for discussion, the idea being that you will use that time to ask questions and to provide constructive suggestions.

We believe that increased discussion, cross discipline learnings and collaboration will help.

We believe that increased discussion, cross discipline learnings and collaboration will help us to move closer to treatments and cures for ataxias.

Patients are at the heart of everything we do as patient organizations.

We have included a few people with ataxia and family members in the conference program as we know that greater understanding of the disease from the patient perspective will only improve our collective research efforts. We hope you will take the opportunity to spend time with these individuals and learn from them what is important to them about their diseases, and how they perceive and value the research that you do.

The work you do every day represents hope to the patient community – one step closer.

The work you do every day represents hope to the patient community – one step closer to a treatment or cure.

We hope you enjoy the conference.

GoFAR Ataxia UK FARA REATA PHARMACEUTICALS IS A PROUD SPONSOR OF THE 2017 INTERNATIONAL ATAXIA RESEARCH CONFERENCE

VISIT OUR TABLE IN THE
EXHIBIT HALL FOR MORE
INFORMATION ABOUT MOXIE,
A STUDY IN FRIEDREICH'S
ATAXIA







Wednesday 27th September 2017

11.30	Registration
12.00-01.30	Mentoring event for young investigators
01.30-01.40	Opening remarks - GoFAR
01.40-06.35	SESSION 1: MOLECULAR BASIS OF DISEASE Chairs: M. Napierala, M. Synofzik
01.40-02.10	The rapid progress in next-generation genetics of ataxias: insights, challenges and next steps - <i>M. Synofzik</i>
02.10-02.30	Elucidating the genetic background of childhood-onset ataxias - E. Ignatius
02.30-02.50	Genotype-phenotype correlation of mutant SLC25A46 disrupting mitochondrian fission in cerebellar degeneration - J. Steffen
02.50-03.10	Genes that affect synaptic excitability and trasmission identified by rare variant analyses in episodic ataxias - V. Salpietro
03.10-03.30	Novel SCA gene FAT Atypical Cadherin 2 is a regulator of autophagy D. Verbeek
03.30-03.50	Afg3l2 missense mutation p.Met665Arg impairs m-AAA protease function - new hints into a therapeutic strategy for SCA28 - C. Mancini
03.50-04.00	Discussion
04.00-04.15	COFFEE BREAK
04.15-04.45	The presence and relevance of autoantibodies to CNS proteins in patients with cerebellar ataxia - A. Vincent
04.45-05.05	Ataxin-2 regulated mitochondrial precursors to man <mark>tain nutrient balance and cellular energetics - N. E. Sen</mark>
05.05-05.25	Understanding the pathophysiological and molecular mechanisms underlying the recessive ataxia ARCA2 - T. Jaeg-Ehret
05.25-05.45	E3 ligase RNF126 directly ubiquitinates frataxin, promoting its degradation: identification of a potential therapeutic target for Friedreich ataxia M. Benini
05.45-06.05	Regulation of neuronal mRNA splicing by ATXN3 is disturbed in SCA3/MJD A. Neves-Carvalho
06.05-06.25	Epigenetic silencing in Friedreich ataxia is caused by hypermethylation of the FXN CpG island shore - S. Bidichandani
06.25-06.35	Discussion
06.45- 08.00	WELCOME RECEPTION

Thursday 28th September 2017

08.30-08.40	Welcome - FARA
08.40-10.40	SESSION 1: MOLECULAR BASIS OF DISEASE Chairs: M. Napierala, M. Synofzik
08.40-09.10	Spinocerebellar ataxia type 1 (SCA1): molecular basis of neuro- degeneration in the cerebellum (ataxia) and brainstem (lethality) - H.Orr
09.10-09.30	Transcriptional profiling of isogenic iPS-derived Friedreich's ataxia sensory neurons - E. Soragni
09.30-09.50	Early cerebellar mitochondrial biogenesis deficits and OXPHOS complex I and II deficiency in the KIKO mouse model of Friedreich ataxia - H. Lin
09.50-10.10	Addressing mitochondrial function in a mouse model of Friedreich's ataxia (FRDA) - R. Abeti
10.10-10.30	Mitofusin-dependent ER stress mediates degeneration in a Drosophila model of Friedreich's ataxia - <i>J. Navarro</i>
10.30-10.40	Discussion
10.40-10.55	COFFEE BREAK
10.55-03.00	SESSION 2: TRANSLATIONAL MODELS OF DISEASE Chairs: P. Maciel, L. Petrucelli
10.55-11.25	Targeting repeat expansion in cellular models of F <mark>ried</mark> reich's ataxia <i>M. Napierala</i>
11.25-11.45	Understanding Friedreich's ataxia neuropathology using a new conditional neuronal mouse model - C. de Montigny
11.45-12.05	A SCA7 mouse model showing multisystem phenotypes; new opportunities for pathomechanism studies and therapeutic development - Y. Trottier
12.05-12.35	Inducible and reversible phenotypes in a novel mouse model of Friedreich's ataxia - V. Chandran
12.35-12.45	Discussion
12.45-01.20	LUNCH
01.20-01.50	Repeat disorders: models, markers and more - L. Petrucelli
01.50-02.10	Voluntary running prevents onset of symptomatic Friedreich's ataxia in mice - Z. Yan

Engineering DNA Therapeutics for Rare Diseases



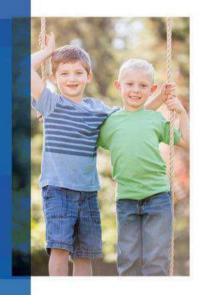
Proud to be a Sponsor of the 2017 International Ataxia Conference

Thursday 28th September 2017

02.10-02.30	Using mouse models and BioID proteomic approach to understand ARSACS pathophysiology - R. Lariviere
02.30-02.50	Let-7 activates autophagy and alleviates motor and neuropathological deficits in pre and post-symptomatic Machado-Joseph disease mouse models-S. Dua
02.50-03.00	Discussion
03.00-03.10	COFFEE BREAK
03.10-05.20	SESSION 3: NATURAL HISTORY, BIOMARKERS AND ENDPOINTS Chairs: P. Giunti, G. Manfredi
03.10-03.40	Overview of natural history of Friedreich ataxia - J. Schulz
03.40-04.10	Natural history of the spinocerebellar ataxias (SCAs) - T. Klockgether
04.10-04.30	Autosomal recessive spastic ataxia of Charlevoix-Saguenay: a natural history study over a two year follow up - C. Gagnon
04.30-04.50	Detailing the natural history of Friedreich ataxia; loss of ambulation in the CCRN-FA study - C. Rummey
04.50-05.10	Long-term quality of life, depression and activities of daily living in the most common spinocerebellar ataxias (SCA1, SCA2, SCA3, SCA6) H. Jacobi
05.10-05.20	Discussion
05.30-07.30	POSTER SESSION 1

Friday 29th September 2017

08.30-08.40	Welcome - Ataxia UK
08.40-12.50	SESSION 3: NATURAL HISTORY, BIOMARKERS AND ENDPOINTS Chairs: P. Giunti, G. Manfredi
08.40-09.10	Longitudinal MRS, MRI and DTI in the spinal cord in Friedreich's ataxis 24-month follow-up - <i>P.G. Henry</i>
09.10-09.30	Basal ganglia and posterior fossa structural abnormalities in SCA3 stratified for disease stages - J.L. Ribeiro de Paiva
09.30-09.50	CCFS: a quantitative score of cerebellar dysfunction and evolution in Friedreich ataxia - A. Durr







BOMARIN

BioMarin is proud to support the 2017 International Ataxia Research Conference.

At BioMarin, we are inspired and driven by the patients who receive our therapies, and we will continue our efforts to help more patients living with rare conditions who have unmet medical needs.

We are dedicated to making a meaningful impact in the lives of patients affected by rare genetic disorders that are often underserved and ignored.

BIOMARIN PHARMACEUTICAL INC.
For more information, please go to www.biomarin.com

Friday 29th September 2017

09.30-10.10	with GAA1 repeat expansion and SARA score - G. Naejie
10.10-10.20	Discussion
10.20-10.35	COFFEE BREAK
10.35-10.55	Exercise stress testing on adaptive equipment is feasible and reliable in Friedreich ataxia- K. Lin
10.55-11.15	Developing a clinically meaningful instrumented measure of upper limb function in Friedreich ataxia - L.Corben
11.15-11.35	Cardiac magnetic resonance T1 mapping as a window into the myocardium in Friedreich ataxia (FRDA) - K. Lin
11.35-11.55	Auditory dysfunction and its remediation in individuals with spinocerebellar ataxia - K. Uus
11.55-12.05	Discussion
12.05-12.50	Roundtable discussion on patient perspective on clinical trials and studies M. Varbaro - F. Fortuna - C. Van Doorne - J. Dieusaert - A. Nadke
12.50-01.30	LUNCH
01.30-05.35	SESSION 4: THERAPEUTICS AND CLINICAL TRIALS Chairs: N. Muzyczka, M. Pandolfo
01.30-02.00	Summary and lessons learned from Friedreich's ataxia clinical trials - F. Saccà
02.00-02.30	Innovative trial designs for rare diseases, with focus on use of innovative endpoints and potential use of registry data - K. Roes
02.30-03.30	Roundtable discussion on clinical trial design for ataxias P. Balabanov - K. Bryant - J. Cavagnaro - L. Benatti - P. Giunti - D. Jacoby D. Lynch - M. Pandolfo - S. Petraglia
03.30-03.50	COFFEE BREAK
03.50-04.20	Activation of frataxin expression by duplex RNAs and antisense oligonucleotides - D. Corey
04.20-04.40	Gene-targeted synthetic molecules stimulate transcription through repressive GAA-repeats in patient-derived Friedreich's ataxia cells - A. Ansari
04.40-04.55	Class-I HDAC inhibitors with improved potency and drug-like properties for de-repressing frataxin production in Friedreich's ataxia - S. Bhagwat















At Horizon Pharma, we understand that rare means many things to the millions of people affected by rare disease. One thing everybody shares is an urgency to accelerate the availability of new treatments. We salute the International Ataxia Research Conference and share their commitment to improving the lives of patients around the world.



Friday 29th September 2017

04.55-05.10	RNA/DNA hybrid interactome uncovers DHX9 as a novel regulator of pathological R-loops in Friedreich's ataxia - N. Gromak	
05.10-05.25	Safety, efficacy and pharmacodynamics of omaveloxolone in Freidreich's atax patients (MOXIe Trial): Part 1 results - D. Lynch	ia
05.25-05.35	Discussion	
05.35-07.00	POSTER SESSION 2	Z

08.30 GALA DINNER

Arsenali Repubblicani, Via Bonanno Pisano 2

Saturday 30th September 2017

08.30-03.10	SESSION 4: THERAPEUTICS AND CLINICAL TRIALS Chairs: N. Muzyczka, M. Pandolfo
08.30-09.00	Lessons learned from recent approvals of therapies for neuromuscular disorders J. Larkindale
09.00-09.30	Overview of viral gene therapy approaches for genetic diseases - N. Muzyczka
09.30-09.50	Role of microRNAs in Machado-Joseph disease: from pathogenesis to therapy V. Carmona
09.50-10.10	Docosahexaenoic acid (DHA) supplementation as a therapy for spinocerebellar ataxia 38 (SCA38) - <i>M. Manes</i>
10.10-10.30	Neurotrophic factor and cytokine mimetics as new potential therapeutic agents for Friedreich ataxia - J. Diaz-Nido
10.30-10.40	Discussion
10.40-11.00	COFFEE BREAK



Before it became a medicine,

It was 5,000 researched compounds.

87 different protein structures.

500,000 lab tests.

1,600 scientists.

80-hour workweeks.

14 years of breakthroughs and setbacks.

36 clinical trials.

8,500 patient volunteers.

And more problems to solve than we could count.

Before it became a medicine,

It was an idea in the mind of a Pfizer scientist.

Now it's a medicine

That saves lives every day.



Saturday 30th September 2017

	6990
11.00-11.30	Gene therapy for Friedreich's ataxia - B. Byrne, M. Corti
11.30-11.50	Targeting the intracellular localization of ataxin-3 as a novel treatment approach for spinocerebellar ataxia type 3 - <i>T. Schmidt</i>
11.50-12.10	Ataxin-3 exon skipping as a treatment strategy for spinocerebellar ataxia L. Toonen
12.10-12.30	Nicotinamide mononucleotide supplementation in a model of Friedreich ataxia cardiomyopathy improves cardiac function and bioenergetics in a SIRT3 dependent manner - A. Martin
12.30-12.40	Discussion and presentation of Best Poster Awards
12.40-01.20	LUNCH
01.20-01.50	Correction of sensory ataxia in a novel mouse model of Friedreich ataxia using gene therapy approach - H. Puccio
01.50-02.10	TALEN and CRISPR gene editing for treatment of Machado-Joseph disease S. Lopes
02.10-02.30	Phenotypic and functional characterization of sensory neurons derived from human pluripotent stem cells and examining their in vivo capability to integrate into adult dorsal root ganglia - M. Dottori
02.30-02.45	Intravenous delivery of AAV gene therapy to CNS and peripheral tissues critical for the treatment of Friedreich's ataxia - H. Patzke
02.45-03.00	Effects of acetyl-DL-leucine in cerebellar ataxias - T. Bremova
03.00-03.10	Discussion
03.10-03.20	CLOSING REMARKS



Proud to support the 2017 International Ataxia Conference

EryDel is conducting ATTeST:

a multi-center, pivotal Phase III trial in patients with Ataxia Telangiectasia

To learn more, please visit www.attest-trial.com



ORGANIZING COMMITTEE

Filomena D'Agostino - GoFAR

Annaluisa Ponchia - GoFAR

Julie Greenfield - Ataxia UK

Barry Hunt - Ataxia UK

Jen Farmer - FARA

Jane Larkindale - FARA

SCIENTIFIC COMMITTEE

Vijay Chandran

Paola Giunti

Julie Greenfield

Barry Hunt

Jane Larkindale - Co-Chair

Patrícia Maciel

Giovanni Manfredi

Nick Muzyczka

Marek Napierala

Massimo Pandolfo

Len Petrucelli

Bernardo Ruggeri

James Rusche - Co-Chair

Matthis Synofszik

SPONSORS





GOLD **SPONSORS**













SILVER SPONSORS.









ADVOCACY SPONSORS.





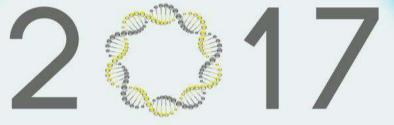




EXHIBITOR

Noldus





International Ataxia Research Conference

Pisa, Italy 27-30 September







www.iarc2017.com

eurotraining)

ORGANIZING SECRETARIAT mail@eurotraining.it www.eurotraining.it