



**UNIKLINIK  
KÖLN**

## **Oral Ibrexafungerp (SCY-078) in Refractory Fungal Diseases Interim Analysis by Pathogen of a Phase 3 Open-label Study (FURI)**

**Oliver A. Cornely MD, FECMM, FIDSA, FAAM, FACP**

**Director and Chair, Translational Research & Clinical Trials Center  
University of Cologne**

**Consultant, Infectious Diseases  
Director, European Mycology Excellence Center  
University Hospital of Cologne**





UNIKLINIK  
KÖLN

# Transparency Declaration

## Research grants

Actelion, Amplyx, Astellas, Basilea, Cidara, Da Volterra, F2G, Gilead, Janssen Pharmaceuticals, Medicines Company, MedPace, Melinta Therapeutics, Merck/MSD, Pfizer, Scynexis

## Advice on study design or DRC or DSMB

Actelion, Allegra Therapeutics, Amplyx, Astellas, Basilea, Biosys UK Limited, Cidara, Da Volterra, Entasis, F2G, Gilead, IQVIA, Matinas, MedPace, Menarini Ricerche, Merck/MSD, Octapharma, Paratek Pharmaceuticals, Pfizer, PSI, Rempex, Scynexis, Seres Therapeutics, Tetrphase, Vical

## Speaker honoraria

Astellas, Basilea, Gilead, Merck/MSD, Pfizer

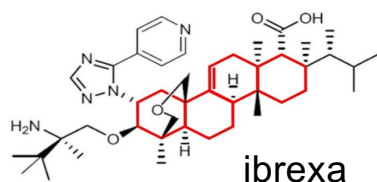
## Shareholder

CoRe Consulting





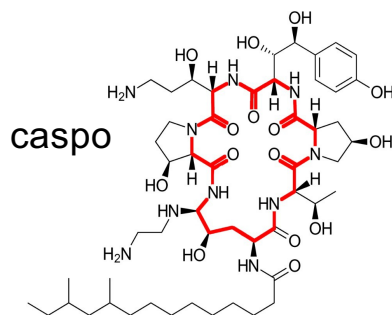
## Novel Glucan Synthase Inhibitor (GSI)



- Structurally distinct from other glucan synthesis inhibitors, e.g. echinocandins
- Different enzyme-drug interaction → lower impact of common FKS mutations
- Oral bioavailability

## Key Attributes

- Activity against
  - *Candida* spp.
  - *Aspergillus* spp.
  - *Pneumocystis* spp.
- Active against azole- and most echinocandin-resistant strains
- > 500 subjects exposed
- Low risk of drug-drug interactions
- Extensive tissue distribution ( $V_{dss} > 8$  L/kg)

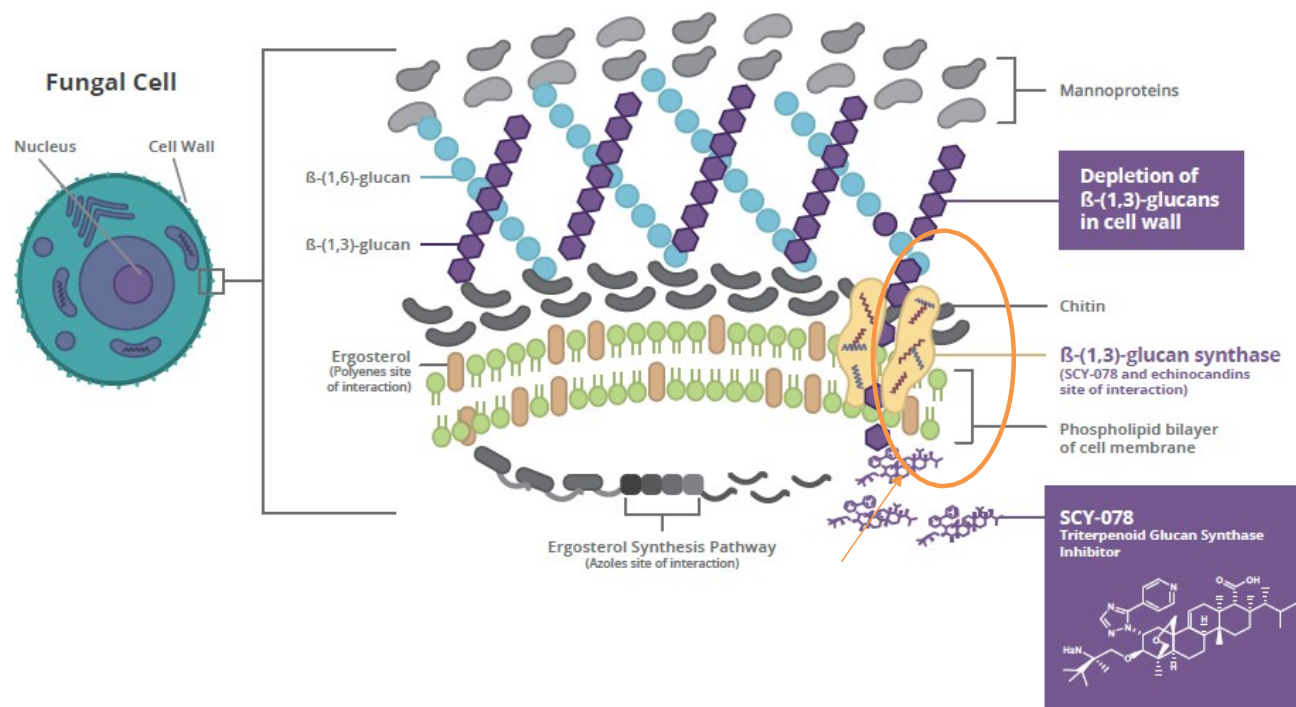




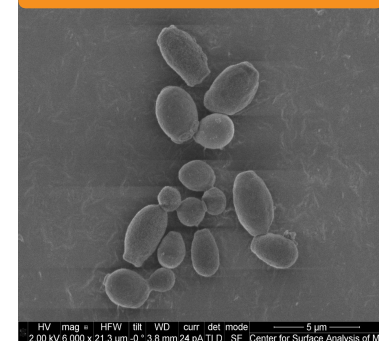
UNIKLINIK  
KÖLN

# Ibrexafungerp MoA: Glucan Synthase Inhibitor

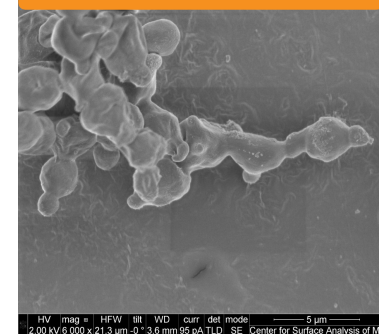
## Cell Membrane and Cell Wall



*C. auris* before SCY-078



*C. auris* after SCY-078





- To evaluate the efficacy of oral ibrexafungerp as determined by a Data Review Committee (DRC) by assessing Global Success (composite assessment of clinical, microbiological, serological and/or radiological responses) at End of Treatment (EoT)
- To evaluate the safety of oral ibrexafungerp



- Efficacy measured by  
Percentage of subjects with Global Success (Complete or Partial Global Response) at the End of Treatment (EoT) visit as determined by the Data Review Committee
- Safety measured by  
Physical exam, vital signs, adverse events, electrocardiogram, and laboratory tests

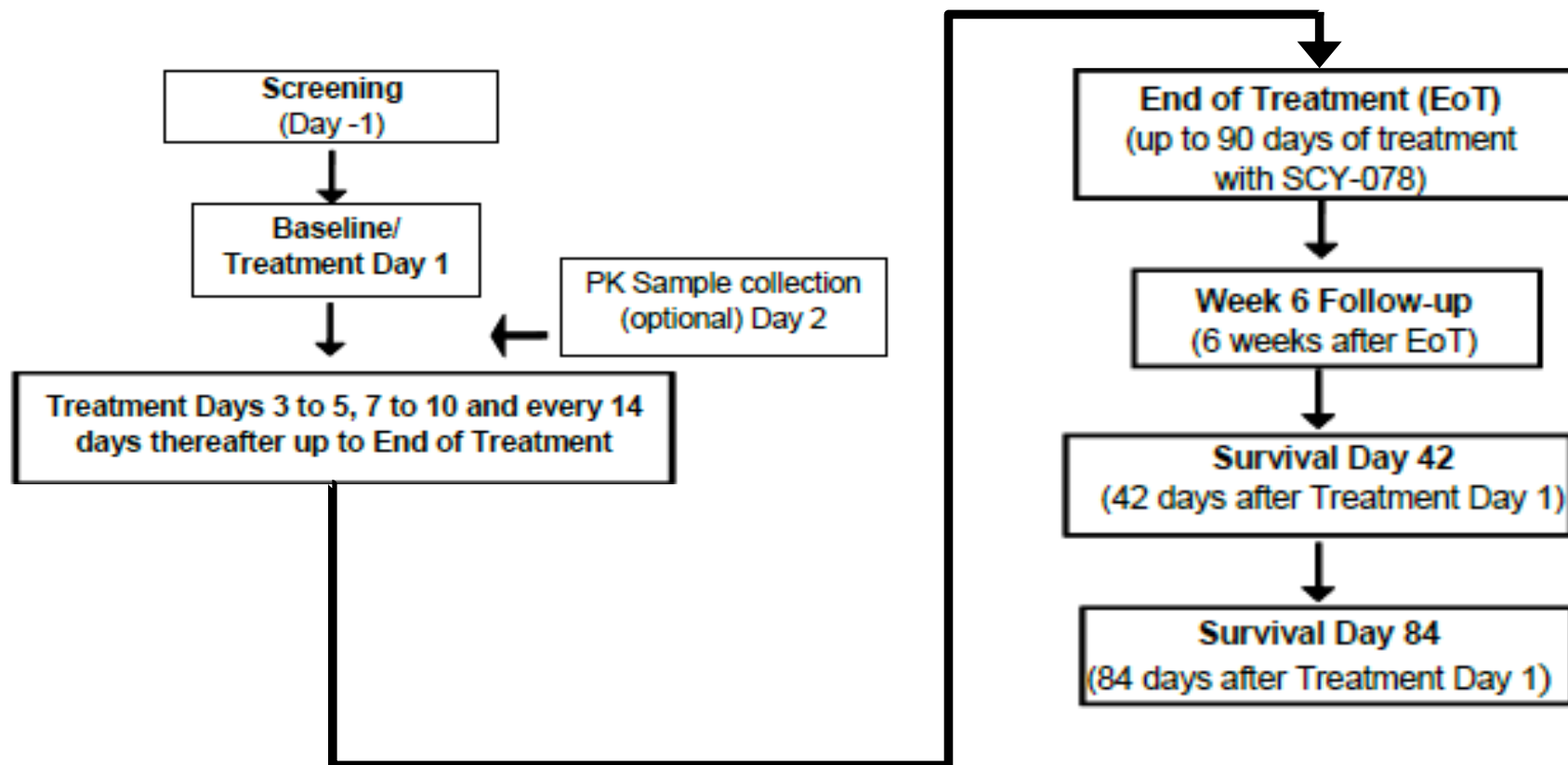


- Acute or chronic invasive candidiasis including candidemia and/or acute or chronic severe mucocutaneous candidiasis that is
  - Refractory to or intolerant of, or has toxicities associated with at least one approved SoC antifungal treatment and/or
  - Long-term IV antifungal therapy is not feasible or desirable due to clinical or logistical circumstances or
  - If other oral antifungal alternatives are not appropriate.



- CNS, heart or eye involvement
- Inappropriately controlled fungal infection source (e.g., persistent catheters, devices, identified abscess)
- AST or ALT  $>10 \times$  ULN and/or total bilirubin  $>5 \times$  ULN
- ANC  $< 500/\mu\text{L}$  at baseline
- Prohibited medications
- Known hypersensitivity to ibrexafungerp
- Pregnant or lactating







- Ibrexafungerp PO 750mg BID for 2 days  
followed by
- Ibrexafungerp PO 750 mg QD
- Duration of therapy is at investigators discretion
  - max. 90 days
  - if >90 days required → expanded access program



	<b>Condition: # of subjects</b>	<b>Global Response</b>
<b>Mucocutaneous Candidiasis</b>	<b>Esophageal candidiasis: 6</b>	<b>CR/PR: 4</b> <b>Stable: 2</b>
	<b>Oropharyngeal candidiasis: 2</b>	<b>CR/PR: 1</b> <b>PD: 1</b>
	<b>Chronic mucocutaneous candidiasis (CMC): 1*</b>	<b>Stable: 1</b>
<b>Invasive Candidiasis</b>	<b>Intra-abdominal infections: 5</b>	<b>CR/PR: 2</b> <b>Stable: 1</b> <b>PD: 1</b> <b>Indeterm.: 1</b>
	<b>Spondylodiscitis: 2*</b>	<b>Stable: 2</b>
	<b>Candidemia and endocardial infection: 1</b>	<b>CR/PR: 1</b>
	<b>Surgical wounds infection: 1</b>	<b>CR/PR: 1</b>
	<b>Mediastinitis: 1</b>	<b>CR/PR: 1</b>

\*One patient with CMC and one with spondylodiscitis continue therapy beyond Day-90, per investigator's request. The DRC efficacy assessment for these patients (Stable) was done based on their status at Day-90 (end of FURI participation), status and true EOT still pending



	<b>Complete/Partial Response</b>	<b>Stable Disease</b>	<b>Progression of Disease</b>	<b>Indeterminate</b>
All Patients n=20	11 (55%)	6 (30%)	2 (10%)	1 (5%)

Ibrexafungerp treatment duration:

Mean	36.4 days
Range	7-90
Median	30.5



## FURI: Global Outcome by Pathogen

Pathogen (n)	Complete/Partial Response	Stable Disease	Progressive Disease	Indeterminate
<i>C. glabrata</i> (11)	6	3	2*	0
<i>C. krusei</i> (4)	1	2	0	1
<i>C. albicans</i> (3)	2	1	0	0
<i>C. parapsilosis</i> (1)	1	0	0	0
unidentified (1)	1	0	0	0

\* 1 intra-abdominal and 1 OPC in a HIV+ patient with persistent CD4<10

\*\* One case “unable to determine”. The patient had an intra-abdominal infection that discontinued the study due to a non-drug related AE after 7 days of ibrexafungerp therapy.



- Oral ibrexafungerp was generally well-tolerated
- No deaths were reported due to progression of the fungal infection
- One death was reported due to bacterial liver abscess
- The most common drug related AEs were mild to moderate diarrhea, nausea and less frequently vomiting



**UNIKLINIK  
KÖLN**

## Authors & Affiliations

Barbara D. Alexander, MD	Duke University	Peter G. Pappas, MD	Univ. of Alabama, Birmingham
David A. Angulo, MD	SCYNEXIS, Inc.	Thomas F. Patterson, MD	Univ. of Texas, San Antonio
Oliver A. Cornely, MD	Univ. of Cologne	Riina Rautemaa-Richardson, MD	Manchester University
Martin Hoenigl, MD	UC San Diego	John W. Sanders, MD	Wake Forest University
Robert Krause, MD	Medical Univ. Graz	Andrej Spec, MD	U of Washington, St. Louis
Marisa H. Miceli, MD	Univ. of Michigan	George R. Thompson, MD	UC, Davis
Rachel Miller, MD	Duke Univ.	Jose Vazquez, MD	Augusta University
Caryn G. Morse, MD	Wake Forest Univ.	Thomas J. Walsh, MD	Cornell University
Kathleen M. Mullane, MD	Univ. of Chicago	Guenter Weiss, MD	Innsbruck Medical University
Luis Ostrosky-Zeichner, MD	Univ. of Texas, Houston	Oliver Witzke, MD	Medical University, Essen

**SCYNEXIS**

ClinicalTrials.gov Identifier: NCT030599902



### **Favourable Clinical Outcome of Two Patients with *Candida* spp Spondylodiscitis treated with Oral Ibrexafungerp (formerly SCY-078) from the FURI Study**

- › Presenter: Philipp Koehler, Oliver Cornely
- › Date and Time: Saturday, April 13, from 15:30-16:30 CET  
Oral Presentation #: L0033
- › Session: Other issues and diverse late breaker aspects

### **Use of ibrexafungerp (formerly SCY-078) to Treat Severe Azole-refractory Oesophageal Candidiasis: A Case Report from the FURI Study.**

- › Presenter: Jose Vazquez
- › Date and Time: Saturday, April 13, from 15:30-16:30 CET  
Poster Presentation #: P0125
- › Session: Clinical pharmacokinetics, treatment strategies and prescribing of antifungals

### **Successful Treatment of Two Patients with *Candida auris* Candidemia with the Investigational Agent, Oral Ibrexafungerp (formerly SCY-078) from the CARES Study**

- › Presenter: Deven Juneja, MD
- › Date and Time: Saturday, April 13, from 15:30-16:30 CET  
Poster Presentation #: L0028
- › Session: Other issues and diverse late breaker aspects