

International Symposium 2014

September
26 to 27, 2014

Berlin, Germany



Recent Developments in the Prognostic Assessment and Differential Therapy of Cardiomyopathies

Scientific Committee

Heinz-Peter Schultheiss

Carsten Tschoepe

Wolfgang Poller

Dept. of Cardiology and Pneumology,
Charité – Universitätsmedizin Berlin

Organizer

C.T.I. GmbH

International Symposium



Welcome

Dear colleagues,

It is a distinct pleasure for us to welcome you in Berlin to an international symposium entitled "New molecular pathomechanisms and novel therapeutic approaches in heart failure". The challenge of heart failure diagnosis and therapy is increasing worldwide as a consequence of both increasing prevalence and severity of this clinical syndrome. The necessity to develop and evaluate novel treatment strategies arises from the rather limited efficacy of current therapeutic approaches. Drug-based and surgical approaches including heart transplantation and cardiac assist devices have improved the quality of life and prognosis of heart failure patients.

However, LVAD and HTX are available only for a very small fraction of patients worldwide, and current drug therapy has limited efficacy in advanced stages. During the symposium we will discuss the status and prospects of cell transfer-based and recombinant protein-based approaches, but also strategies based on regulatory RNA molecules or gene transfer to the heart. These approaches have already entered or are currently entering the stage of clinical translation, thus generating a truly exciting and exceptional period in the development of heart failure research. The recent evolution of such novel therapeutic tools ready for preclinical and clinical evaluation has enabled us to address new therapeutic targets that were beyond the reach of traditional pharmaceutical strategies.

The symposium covers a spectrum of current scientific and clinical work ranging from the identification of new targets and molecular pathomechanisms, refined diagnostic procedures, to the evaluation of the therapeutic tools by rigorously designed preclinical and clinical studies.

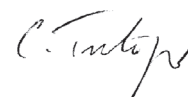
The faculty of the symposium reflects the thoroughly interdisciplinary character of current heart failure research worldwide, and we are indeed certain that the get together of colleagues from diverse field of science is of paramount importance to achieve the ultimate and very demanding goal of translating basic research findings from well defined systems to the far more complex situation encountered when treating individual patients.

We look forward with great pleasure to this "translational" meeting within the center of the exciting city of Berlin.

With our best regards



Heinz-Peter Schultheiss



Carsten Tschoepe



Wolfgang Poller



Topics

Friday, September 26, 2014

- Session I **Immune Pathomechanisms in Chronic Heart Failure – Prognostic & Therapeutic Implications**
- Session II **Recent Studies on Cardiotropic Viruses and Virus-Host Interactions**
- Session III **Searching for Clinical Prognostic Parameters in Cardiomyopathy (Part I)**
- Session IV **Searching for Clinical Prognostic Parameters in Cardiomyopathies (Part II)**
- Session V **Diastolic Dysfunction in Cardiomyopathies**

Clinical Symposium I ***Symptomatic Therapy of Heart Failure with Reduced Ejection Fraction***

Clinical Symposium II ***New Treatment Options in Advanced Heart Failure***

Saturday, September 27, 2014

- Session VI **Novel Cell-Based and Pharmacological Therapeutic Approaches in Cardiomyopathies**
- Clinical Symposium III* ***New Device-Based Therapeutic Approaches in Cardiomyopathies***
- Clinical Symposium IV* ***Cardiac Ischemia and Microcirculation – Clinical Diagnostics and Therapy***
- Session VII **Novel Molecular Therapeutic Strategies Targeting Heart-Immune System Interactions**
- Session VIII **Outlook to the Future of Cardiomyopathy Research**

Friday, September 26

08:30

Welcome Address
Heinz-Peter Schultheiss (Berlin, GERMANY)

Session I

Immune Pathomechanisms in Chronic Heart Failure – Prognostic and Therapeutic Implications

Chairpersons
Andrea Frustaci (Rome, ITALY)
Hans-Dieter Volk (Berlin, GERMANY)

08:45 – 09:02

Importance of the Cardiosplenic Axis for the Progression of Heart Failure
Sumanth D. Prabhu (Birmingham, USA)

09:02 – 09:05

Discussion

09:05 – 09:22

The Spleen as Monocyte Reservoir after Myocardial Injury
Jan J. Piek (Amsterdam, NETHERLANDS)

09:22 – 09:25

Discussion

09:25 – 09:42

Inflammation – A General Mechanism of Heart Failure?
Stefan Frantz (Würzburg, GERMANY)

09:42 – 09:45

Discussion

09:45 – 10:02

Autoimmune Heart Disease – Role of Sex Hormones
DeLisa Fairweather (Rochester, USA)

10:02 – 10:05

Discussion

10:05 – 10:30

Coffee Break

10:30 – 10:47

10:47 – 10:50

10:50 – 11:07

11:07 – 11:10

11:10 – 11:37

11:37 – 11:40

11:40 – 11:57

11:57 – 12:00

12:00 – 13:30

Friday, September 26

Session II

Recent Studies on Cardiotropic Viruses and Virus-Host Interactions

Chairpersons
Alida Caforio (Padova, ITALY)
Claus-Thomas Bock (Berlin, GERMANY)

Pathogenic Role and Therapeutic Potential of Innate Immunity in Viral Heart Disease
Peter P. Liu (Toronto, CANADA)

Discussion

Virus-Host Interactions and Cardiac Inflammation in Heart Diseases
Bruce McManus (Vancouver, CA)

Discussion

Cardiotropic Viruses in Cardiac Transplant Patients – Prognostic and Therapeutic Implications
Jeffrey Towbin (Cincinnati, USA)

Discussion

Pathomechanisms and Clinical Implications of Cardiotropic B19 Virus Infections
Carsten Tschoepe (Berlin, GERMANY)

Discussion

Lunch Break

Friday, September 26

Session III

Searching for Clinical Prognostic Parameters in Cardiomyopathies (Part I)

Chairpersons

Stephane Heymans (Maastricht, NETHERLANDS)

Steffen Behrens (Berlin, GERMANY)

13:30 – 13:47

Late Gadolinium Enhancement as a Prognostic Parameter in Cardiomyopathies

James Moon (London, UK)

13:47 – 13:50

Discussion

13:50 – 14:07

Role of Echo and MRT in the Diagnosis of Myocarditis and Inflammatory Cardiomyopathy

Andrea Frustaci (Rome, ITALY)

14:07 – 14:10

Discussion

14:10 – 14:27

Prognostic Impact of Autoantibodies in Cardiomyopathies

Alida Caforio (Padova, ITALY)

14:27 – 14:30

Discussion

14:30 – 14:47

Role of Endomyocardial Biopsy in the Prognostic Assessment of Cardiomyopathies

Uwe Kühl (Berlin, GERMANY)

14:47 – 14:50

Discussion

14:50 – 15:07

15:07 – 15:10

15:10 – 15:27

15:27 – 15:30

15:30 – 15:47

15:47 – 15:50

15:50 – 16:30

16:30 – 17:00

Friday, September 26

Session IV

Searching for Clinical Prognostic Parameters in Cardiomyopathies (Part II)

Chairpersons

Andre Keren (Jerusalem, ISRAEL)

Jeffrey Towbin (Cincinnati, USA)

Clinical and Genetic Prognosis Assessment in Dilated Cardiomyopathy

Eloisa Arbustini (Padova, ITALY)

Discussion

Clinical and Genetic Prognostic Parameters in Hypertrophic Cardiomyopathy

Perry Elliott (London, UK)

Discussion

Clinical and Genetic Prognostic Parameters in Arrhythmogenic Right Ventricular Dysplasia

Cristina Basso (Padua, IT)

Discussion

Pro and Contra Session: Molecular Genetic Testing in Cardiomyopathies

PRO: L. Monserrat Iglesias (La Coruna, Spain)

CONTRA: Morten Olesen (Copenhagen, DK)

Coffee Break

Friday, September 26

Session V

Diastolic Dysfunction in Cardiomyopathies

Chairpersons

Ulf Landmesser (Zurich, SWITZERLAND)

Matthias Pauschinger (Nürnberg, GERMANY)

17:00 – 17:17

New Paradigms in Heart Failure with Preserved Ejection Fraction

Walter Paulus (Amsterdam, NETHERLANDS)

17:17 – 17:20

Discussion

17:20 – 17:37

Microvascular Dysfunction: Causative in Heart Failure with Preserved Ejection Fraction (HFPEF)?

Ornella Rimoldi (Milano, ITALY)

17:37 – 17:40

Discussion

17:40 – 17:57

New Imaging Modalities for the Assessment of HFPEF in Cardiomyopathies

Burkert Pieske (Graz, AUSTRIA)

17:57 – 18:00

Discussion

18:00 – 18:17

Treatment Options in Cardiomyopathies and HFPEF

Stefan Anker (Berlin, GERMANY)

18:17 – 18:20

Discussion

18:30 – 18:47

18:47 – 18:50

18:50 – 19:07

19:07 – 19:10

19:10 – 19:27

19:27 – 19:30

19:30 – 19:47

19:47 – 19:50

Friday, September 26

Clinical Evening Symposium I

Friday evening in parallel with

Clinical Symposium II • Time 18:30 – 19:50

Symptomatic Therapy of Heart Failure with Reduced Ejection Fraction

Chairpersons

Johann Bauersachs (Hannover, GERMANY)

Erland Erdmann (Köln, GERMANY)

Update Guidelines: What is established, where are the gaps?

Georg Ertl (Würzburg, GERMANY)

Discussion

Role of Heart Rate in Chronic Heart Failure – Betablockade or Channel Inhibition?

Karl Werdan (Halle, GERMANY)

Discussion

The Role of Mineralocorticoid Receptor Antagonists

Johann Bauersachs (Hannover, GERMANY)

Discussion

Targeting the Autonomous Nervous System in Heart Failure

Ulrich Laufs (Homburg, GERMANY)

Discussion



Friday, September 26

Clinical Evening Symposium II

Friday evening in parallel with
Clinical Symposium I • Time 18:30 – 19:50

New Treatment Options in Advanced Heart Failure

Chairpersons
Martin Paul (Maastricht, NETHERLANDS)
Dieter Horstkotte (Bad Oeynhausen, GERMANY)

18:30 – 18:47

Dilated Cardiomyopathy and Mitral Valve Insufficiency: Treatment Options

Michael Gross (Berlin, GERMANY)

18:47 – 18:50

Discussion

18:50 – 19:07

Therapeutic Options in Acute Heart Failure

Ruth Strasser (Dresden, GERMANY)

19:07 – 19:10

Discussion

19:10 – 19:27

Algisyl for the Reduction of Cardiac Wall Stress

Norbert Frey (Kiel, GERMANY)

19:27 – 19:30

Discussion

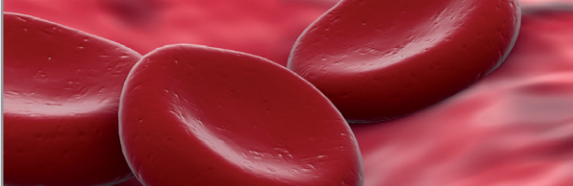
19:30 – 19:47

Pleiotropic Effects of Antithrombotic Drugs – Implications for Micro- and Macrovascular Dysfunction

Rainer Schulz (Giessen, GE)

19:47 – 19:50

Discussion



Saturday, September 27

Session VI

Novel Cell-Based and Pharmacological Therapeutic Approaches in Cardiomyopathies

Chairpersons
Walter Paulus (Amsterdam, NETHERLANDS)
Bernhard Maisch (Marburg, GERMANY)

09:00 – 09:17

Mesenchymal Stem Cell-Based Strategies in Acute Myocarditis – Experimental Data

Sophie van Linthout (Berlin, GERMANY)

09:17 – 09:20

Discussion

09:20 – 09:37

Forkhead Transcription Factors – Novel Therapeutic Targets in Cardiomyopathies?

Carsten Skurk (Berlin, GERMANY)

09:37 – 09:40

Discussion

09:40 – 09:57

Immunomodulatory Therapy in Inflammatory Heart Disease – Discrepancies Between Experimental Models and Patients

Urs Eriksson (Zurich, SWITZERLAND)

09:57 – 10:00

Discussion

10:00 – 10:17

Cardiac Fibroblasts as Inflammatory Supporter Cells Trigger Cardiac Inflammation in Heart Failure

Dirk Westermann (Hamburg, GERMANY)

10:17 – 10:20

Discussion

10:20 – 10:37

Cardiac Extracellular Matrix – Immune System Interactions and Therapeutic Potential

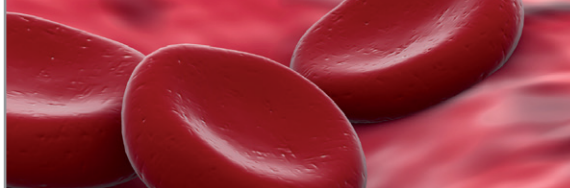
Stephane Heymans (Maastricht, NETHERLANDS)

10:37 – 10:40

Discussion

10:40 – 11:30

Coffee Break



Saturday, September 27

Clinical Symposium III

Saturday lunch time in parallel
with Clinical Symposium IV

New Device-Based Therapeutic Approaches in Cardiomyopathies

Chairpersons

Perry Elliott (London, UK)

Corinna Brunckhorst (Zurich, SWITZERLAND)

11:30 – 11:47

Cardiac Assist Devices in Acute and Chronic Heart Failure

Paul Mohasci (Bern, SWITZERLAND)

11:47 – 11:50

Discussion

11:50 – 12:07

Cardiac Resynchronization Therapy (CRT)

Frank Ruschitzka (Zurich, SWITZERLAND)

12:07 – 12:10

Discussion

12:10 – 12:27

Cardiac Contractility Modulation (CCM)

Mattias Roser (Berlin, GERMANY)

12:27 – 12:30

Discussion

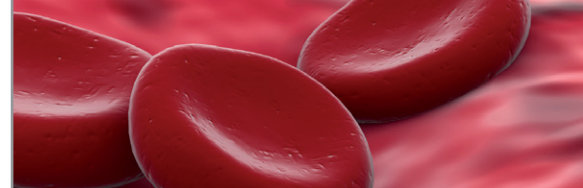
12:30 – 12:47

Immunoadsorption Therapy

Stephan Felix (Greifswald, GERMANY)

12:47 – 12:50

Discussion



Saturday, September 27

Clinical Symposium IV

Saturday lunch time in parallel
with Clinical Symposium III

Microcirculation and Cardiac Ischemia – Clinical Diagnostics and Therapy

Chairpersons

Walter Paulus (Amsterdam, NETHERLANDS)

Ornella Rimoldi (Milano, ITALY)

11:30 – 11:47

Mechanisms of Endothelial Dysfunction

Ulf Landmesser (Zürich, SWITZERLAND)

11:47 – 11:50

Discussion

11:50 – 12:07

Diagnostics of Microvascular Dysfunction

Bernhard Schieffer (Marburg, GERMANY)

12:07 – 12:10

Discussion

12:10 – 12:27

Microvascular Dysfunction in Cardiomyopathies – New Therapeutic Options

N.N.

12:27 – 12:30

Discussion

12:30 – 12:47

New Oral Anticoagulants in Heart Failure with or without Sinus Rhythm

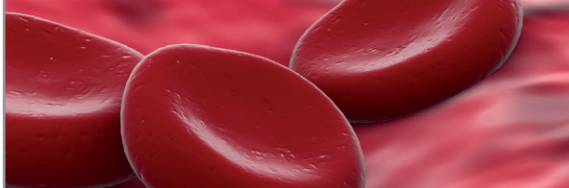
Hanno Riess (Berlin, GE)

12:47 – 12:50

Discussion

12:50 – 14:20

Lunch Break



Saturday, September 27

Session VII

Novel Molecular Therapeutic Strategies Targeting Heart-Immune System Interactions

Chairpersons

Hugo Katus (Heidelberg, GERMANY)

Andreas Zeiher (Frankfurt, GERMANY)

14:20 – 14:37

microRNA-based Therapeutic Strategies – Status of Clinical Translation

Stefanie Dimmeler (Frankfurt, GERMANY)

16:10 – 16:27

14:37 – 14:40

Discussion

16:27 – 16:30

14:40 – 14:57

Diagnostic and Therapeutic Exploration of the Noncoding Genome in Viral Heart Disease

Wolfgang Poller (Berlin, GERMANY)

16:30 – 16:47

14:57 – 15:00

Discussion

16:47 – 16:50

15:00 – 15:17

Modulation of Cardiac Inflammation using Monocyte-Targeted Nanoparticles

Florian Leuschner (Heidelberg, GERMANY)

16:50 – 17:07

15:17 – 15:20

Discussion

17:07 – 17:10

15:20 – 15:37

Role of Protease-Activated Receptors for Innate Immunity of the Heart – Focus on Myocarditis

Ursula Rauch-Kroehnert (Berlin, GERMANY)

17:10 – 17:27

15:37 – 15:40

Discussion

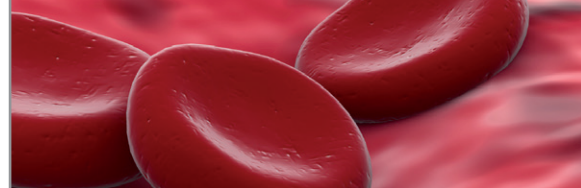
17:27 – 17:30

15:40 – 16:10

Coffee Break

17:30 – 17:47

17:47 – 17:50



Saturday, September 27

Session VIII

Outlook to the Future of Cardiomyopathy Research

Chairpersons

Bruce McManus (Vancouver, CA)

Peter P. Liu (Toronto, CANADA)

Classification of Cardiomyopathies – Past and Future

Gaetano Thiene (Padova, ITALY)

Discussion

CMR Diagnostics in Myocarditis and Cardiomyopathies – Future has just begun

Stefan Neubauer (Oxford, UK)

Discussion

The Future of Molecular Genetic Diagnostics in Cardiomyopathies

Hugo Katus (Heidelberg, GERMANY)

Discussion

The Future of Cardiovascular Regenerative Therapies

Andreas Zeiher (Frankfurt, GERMANY)

Discussion

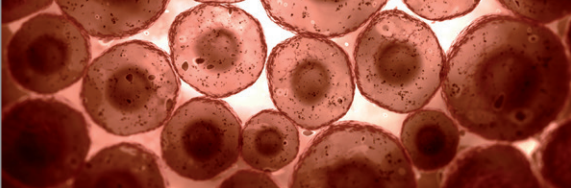
Towards Personalized Medicine in the Field of Inflammatory Cardiomyopathies

Heinz-Peter Schultheiss (Berlin, GERMANY)

Discussion

Concluding Remarks

Carsten Tschoepe (Berlin, GERMANY)

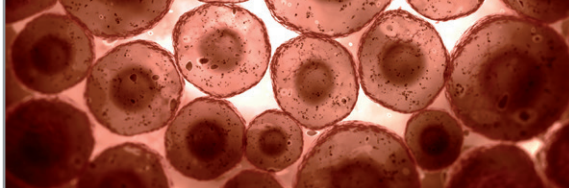


Invited Speakers and Chairpersons

Stefan Anker (Berlin, GERMANY)
Eloisa Arbustini (Pavia, ITALY)
Cristina Basso (Padua, ITALY)
Johann Bauersachs (Hannover, GERMANY)
Steffen Behrens (Berlin, GERMANY)
Claus-Thomas Bock (Berlin, GERMANY)
Corinna Brunckhorst (Zurich, SWITZERLAND)
Alida Caforio (Padova, ITALY)
Stefanie Dimmeler (Frankfurt, GERMANY)
Paul Elliott (London, UK)
Erland Erdmann (Cologne, GERMANY)
Urs Eriksson (Zurich, SWITZERLAND)
Georg Ertl (Würzburg, GERMANY)
David Fairweather (Rochester, USA)
Stephan Felix (Greifswald, GERMANY)
Stefan Frantz (Würzburg, GERMANY)
Norbert Frey (Kiel, GERMANY)
Andrea Frustaci (Rome, ITALY)
Michael Gross (Berlin, GERMANY)
Stephane Heymans (Maastricht, NETHERLANDS)
Dieter Horstkotte (Bad Oeynhausen, GERMANY)
Lorenza Monserrat Iglesias (LaCoruna, SPAIN)
Hugo Katus (Heidelberg, GERMANY)
Andre Keren (Jerusalem, ISRAEL)
Uwe Kühl (Berlin, GERMANY)
Ulf Landmesser (Zürich, SWITZERLAND)
Ulrich Laufs (Homburg, GERMANY)
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Bruce McManus (Vancouver, CANADA)
Paul Mohacsi (Bern, SWITZERLAND)



James Moon (London, UK)
Stefan Neubauer (Oxford, UK)
Morten S. Olesen (Copenhagen, DENMARK)
Martin Paul (Maastricht, NETHERLANDS)
Walter Paulus (Amsterdam, NETHERLANDS)
Matthias Pauschinger (Nuremberg, GERMANY)
Jan J. Piek (Amsterdam, NETHERLANDS)
Burkert Pieske (Graz, AUSTRIA)
Wolfgang Poller (Berlin, GERMANY)
Sumanth Prabhu (Birmingham, USA)
Ursula Rauch-Kroehnert (Berlin, GERMANY)
Hanno Riess (Berlin, GERMANY)
Ornella Rimoldi (Milano, ITALY)
Mattias Roser (Berlin, GERMANY)
Frank Ruschitzka (Zurich, SWITZERLAND)
Bernhard Schieffer (Marburg, GERMANY)
Dr. Heinz-Peter Schultheiss (Berlin, GERMANY)
Rainer Schulz (Giessen, GERMANY)
Carsten Skurk (Berlin, GERMANY)
Ruth Strasser (Dresden, GERMANY)
Gaetano Thiene (Padova, ITALY)
Jeffrey Towbin (Cincinnati, USA)
Carsten Tschöpe (Berlin, GERMANY)
Sophie van Linthout (Berlin, GERMANY)
Hans-Dieter Volk (Berlin, GERMANY)
Karl Werdan (Halle, GERMANY)
Dirk Westermann (Hamburg, GERMANY)
Andreas Zeiher (Frankfurt, GERMANY)



Scientific Committee / Organization

Scientific Committee

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Organizer / Veranstalter

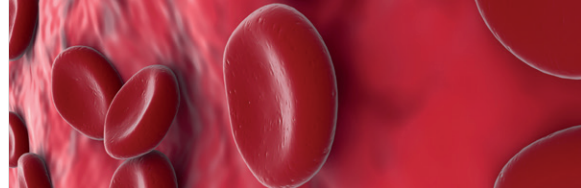
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Congress Venue

Ellington Hotel Berlin

Nürnberger Straße 50-55, 10789 Berlin
www.ellington-hotel.de



This congress is supported by

Location and Directions

COMING BY CAR FROM THE NORTH

Berliner Ring, Oranienburg interchange A111 / A11 / A100 direction city centre (Zentrum) until you reach the Kurfürstendamm exit

- > Direction City -> Tauentzienstrasse
- > Turn right into Nürnberger Strasse, the Ellington Hotel is on the left

Entrance to the hotel car park is between Peek&Cloppenburg and the Ellington Hotel

COMING BY CAR FROM THE WEST, SOUTH AND EAST

Berliner Ring, Drewitz interchange A115 until the Funkturm junction

- > Southern ring road (Stadtring Süd) A 100 until the Kurfürstendamm exit
- > Direction City -> Tauentzienstrasse
- > Turn right into Nürnberger Strasse, the Ellington Hotel is on the left

Entrance to the hotel car park is between Peek&Cloppenburg and the Ellington Hotel.

COMING BY TRAIN BAHNHOF ZOOLOGISCHER GARTEN

Taxi: 4 minutes

Subway: at Bahnhof Zoologischer Garten change into

- > U2 direction Pankow
- > 1 station to go to Wittenbergplatz
- > 5 minutes to walk
- > turn left into Nürnberger Straße

The ELLINGTON HOTEL is on the left site.

COMING BY TRAIN BERLIN HAUPTBAHNHOF

Taxi: 8 minutes

Suburban train: at Berlin Centralstation take the S75, S9, S7 or S5 direction Spandau, Potsdam or Westkreuz

- > go 3 stations to Bahnhof Zoologischer Garten
- > at Bahnhof Zoologischer Garten change into
- > U2 direction Pankow
- > 1 station to go to Wittenbergplatz
- > 5 minutes to walk
- > turn left into Nürnberger Straße

The ELLINGTON HOTEL is on the left site.

COMING BY AIRPORT TEGEL

Taxi: 20 – 30 minutes

Bus / subway: take the bus X9

- > go to Zoologischer Garten
- > at Bahnhof Zoologischer Garten change to
- > U2 direction Pankow
- > 1 station to go to Wittenbergplatz
- > 5 to walk
- > turn left into the Nürnberger Straße

The ELLINGTON HOTEL is on the left site.

