

PROGRAM

ESHO2019

33RD ANNUAL MEETING OF
THE EUROPEAN SOCIETY
FOR HYPERTHERMIC ONCOLOGY

22nd-25th May 2019
WARSAW

ESHO 2019
Congress Chairs

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ICHO 2020

13th International
Congress of
Hyperthermic
Oncology

27–30
September 2020
Rotterdam (NL)

www.icho2020.eu



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Welcome to the ESHO 2019 annual meeting

It is the great pleasure on behalf of the Maria Skłodowska-Curie Institute - Oncology Center to welcome you to Warsaw, Poland for the 33rd Annual Meeting of the European Society for Hyperthermic Oncology to share the latest progress in research and clinical application of adding hyperthermia to radiotherapy and chemotherapy.

The Maria Skłodowska-Curie Institute - Oncology Center has been initiated by Maria Skłodowska-Curie and was originally founded as "Radium Institute" in 1932. Currently, it is the largest and most important oncology center in Poland providing all modern oncology treatments including superficial and deep hyperthermia. It also contributed to the recently closed Hyperthermia European Adjuvant trial for Pancreatic Cancer.

In several European countries the combination of radiotherapy and hyperthermia is considered regular care. In 2018 the results of two positive randomized clinical trials combining chemotherapy and hyperthermia were published. The first was published by van Driel et al. in the New England Journal of Medicine demonstrating an increased overall survival in patients with epithelial ovarian cancer. The second was published by Issels et al. in JAMA Oncology showing a gain of 11% in 5yrs overall survival for patients with localized high-risk soft tissue sarcoma.

The ESHO 2019 annual meeting has its focus on the clinical application of hyperthermia in combination with radiotherapy and systemic therapy for a wide range of tumor locations. The latest progress will be presented by an international group of distinguished researchers and clinicians in summary and key note presentations. The interdisciplinary sessions provides excellent opportunities to stay informed on the most recent biological, technological and medical advances in hyperthermia.

The organizers look forward to see you at the ESHO 2019 annual meeting and hope that you enjoy the scientific presentations, discussions and networking as well as find some free time to visit beautiful Warsaw.



Lucjan Wyrwicz
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Piotr Rutkowski
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HYPERTHERMIA
and thermal therapies



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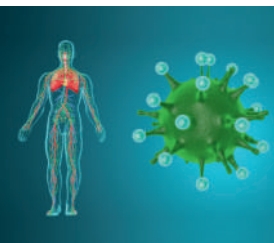
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**ESHO 2019
LUNCH SYMPOSIA
MAY 23 & MAY 24**

DR. SENNEWALD 
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ESHO 2019

MAY 23

**Deep RF Hyperthermia -
Technical Historical Review
Paul Turner, Pyrexar Medical**



MAY 24

**Present and Future
Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical**



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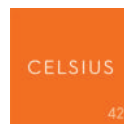
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FRAMEWORK PROGRAM

33rd ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR HYPERTHERMIC ONCOLOGY

Wednesday 22nd May 2019

08:45-10:45 Educational Day – part 1

10:45-11:15 **Coffee**

11:15-12:15 Educational Day – part 2

12:15-13:15 **Lunch**

13:15-15:15 Educational Day – part 3

15:15-15:45 **Coffee**

15:45-16:45 Educational Day – part 4

17:00-17:35 Opening Ceremony

17:35-18:55 Plenary Session

19:00-20:30 **Cocktail / Exhibitors Area**

Welcoming Coctail under the patronage of Dr. Sennewald Medizintechnik GmbH

12.30-13.30 Int. J. of Hyperthermia meeting
PIK ROOM

14.00-16.30 ESHO Board meeting
PIK ROOM

15.00-16.45 PTHO General Meeting
KIER ROOM

Thursday 23th May 2019

08:15-10:15 Session 1
Hyperthermia Quality Assurance

10:15-10:45 **Coffee**

10:45-12:15 Session 2
Hyperthermia and immunotherapy

12:15-13:30 **Lunch**

12:30-13:05 **Lunch Session**

13:30-15:00 Session 3
Tumor biology

15:00-15:30 **Coffee**

15:30-17:00 Session 4
Chemo-radiosensitization

17:00-18:30 Award Session
Int. J. Hyperthermia Award
ESHO young investigator Awards
ESHO/Pyrexar Awards introduction
ESHO/Pyrexar Award winner presentation

18.30-19.30 ESHO General Assembly
PIK ROOM

20:00-00:30 **Gala Dinner under the patronage of Dr. Sennewald Medizintechnik GmbH**

Friday 24th May 2019

- 08:45-10:40** Session 5
Ongoing Clinical Studies
- 10:40-11:00** **Coffee**
- 11:00-12:30** Session 6
FLASH poster presentations
- 12:30-13:45** **Lunch**
- 12:45-13:20** **Lunch Session**
- 13:45-15:25** Session 7
Recent clinical trials
- 15:25-16:00** **Coffee**
- 16:00-17:40** Session 8
MR-based hyperthermia
- 17:40-18:10** Closing Ceremony
-

WORKSHOPS

Saturday 25th May 2019

- 09:00-11:45** Clinical application of hyperthermia with Celsius TCS device
H. Sahinbas
- 11:45-12:00** Coffee break
- 12:00-13:00** Local hyperthermia with microwave antennae systems – superficial and deep heating
T. Jasiurkowski and D. Droś
- 13:00-13:30** Treatment protocols for hyperthermia actually used in Warsaw Marie Curie Memorial Cancer Institute
B. Lindner
- 13:30-14:30** Tour of specific hyperthermia labs: BSD-500, BSD-2000 and Celsius TCS

Workshops in Warsaw Marie Curie Memorial Cancer Institute

DETAILED PROGRAM

33rd ANNUAL MEETING OF THE EUROPEAN
SOCIETY FOR HYPERTHERMIC ONCOLOGY

Wednesday 22nd May 2019

EDUCATIONAL DAY

08:45-09:45 **Meta-analysis of clinical trials with hyperthermia**

N.R. Datta

09:45-10:45 **Hyperthermia heating devices**

J. Crezee

10:45-11:15 **COFFEE**

11:15-12:15 **Opportunities of HIFU for thermal therapy**

H. Gröll

12:15-13:15 **LUNCH**

13:15-14:15 **Magnetic fluid hyperthermia: Advances and challenges
for its translation to the clinic**

T. Samaras

14:15-15:15 **Modelling HT-RT: BED and transient biological dose
equivalent TBDE**

S. Scheidegger

15:15-15:45 **COFFEE**

15:45-16:45 **Molecular effects of hyperthermia**

R. Kanaar

17:00-17:35 OPENING CEREMONY

Speech of congress president

dr hab. n. med. prof. nadzw. Lucjan Wyrwicz

Speech of congress v-president

prof. dr hab. n. med. Piotr Rutkowski

Speech of congress secretary

dr n. med. Andrzej Kukiłka

Speech of ESHO president

prof. EMV&H Gerard van Rhooen

17:35-18:55 PLENARY SESSION

17:35-18:15 Protons and hyperthermia: early clinical results

Z. Vujaskovic

18:15-18:55 Building an international forum to boost hyperthermia research

S. Bodis

19:00-20:30 COCKTAIL / EXHIBITORS AREA

Welcoming Cocktail under the patronage
of Dr. Sennewald Medizintechnik GmbH

Thursday 23rd May 2019

08:15-10:15 **SESSION 1: HYPERTHERMIA QUALITY ASSURANCE**
CHAIRS: S. CURTO, H. DOBSICEK TREFNA

08:15-08:35 **Quality assurance guidelines for hyperthermia**
H. Dobsicek Trefna

08:37- 08:47 **ESHO Quality Assurance guidelines for Interstitial Hyperthermia**
J. Crezee

08:49-08:59 **Quality assurance assessment: are commercial MR-guided deep-pelvic hyperthermia devices ready for a large clinical trial?**
S. Curto

09:01-09:11 **QA techniques for radiative deep hyperthermia systems: benefits and limitations of 1D, 2D and 3D techniques.**
G. van Rhoon

09:13-09:23 **Optimized Helmet Applicator Design for Child Brain-Tumor Hyperthermia**
M. Zanoli

09:25-09:35 **Comparison of electro-quasistatic and FDTD calculation methods for modeling of capacitive hyperthermia**
T. Paessler

09:37-09:47 **Inverse source method for element position optimization in modular systems for deep regional hyperthermia**
R. Poni

09:49-09:59 **SAR or temperature-based treatment planning as predictor for temperature changes after phase-amplitude steering during locoregional hyperthermia**
P. Kok

10:01-10:11 **Standardization by a Universal Deep Hyperthermia Treatment Planning System**
T. Drizdal

10:15-10:45 **COFFEE**

10:45-12:15

SESSION 2: HYPERTHERMIA AND IMMUNOTHERAPY

CHAIRS: U. GAJPL, L. LINDNER

10:45-11:05

Immunomodulation by hyperthermia in combination with radiotherapy

U. Gajpl

11:06-11:18

Immunomonitoring of patients with anal carcinoma treated with deep regional hyperthermia in combination with standard radiochemotherapy – first results of the HYCAN trial

A-J. Donaubauer

M. Hader

11:19-11:31

Immune-effects with local hyperthermia

A. Szasz

11:32-11:44

The reduction of the neutrophil / lymphocyte ratio (NLR) is associated with a complete response and disease-free survival in patients with non-invasive bladder cancer treated with intravesical neoadjuvant chemohyperthermia

D. Sousa

11:45-11:57

The effect of hyperthermia on Iscador-treated macrophages

H. M. Kozłowski

11:58-12:10

Can we monitor Immunogenic Cell Death (ICD) induced with modulated electrohyperthermia and oncolytic virus injections ?

S. Van Gool

12:15-13:30

LUNCH

12:30-13:05

LUNCH SESSION

Deep RF Hyperthermia – Technical Historical Review

Paul Turner, Pyrexar Medical

CHAIRS:

Mark Falkowski, CEO Pyrexar Medical

Gerhard Sennewald, CEO Dr. Sennewald Medizintechnik GmbH

13:30-15:00

SESSION 3: TUMOR BIOLOGY

CHAIRS: M. Horsman, T.L.M ten Hagen

13:30-13:50

Hyperthermia: the optimal treatment to overcome tumor hypoxia

M. Horsman

13:51-14:03

Differential effects of modulated electro-hyperthermia on slow and fast progressing triple negative breast cancers and the effects of treatment protocol

P. Hamar

14:04-14:16

Co-evolving model parameter search using cell survival and time-resolved comet data: A holistic view on the synergistic effect of hyperthermia and radiotherapy

M. Weyland

14:17-14:29

Hyperthermia combined with PARP1-inhibition as radiosensitizer in cervical cancer cells by affecting two DNA DSB repair pathways

M. IJff

14:30-14:42

Thinking out of the nanoparticle: Externally triggered smart drug delivery systems demand chemotherapeutics with kinetics superior for local delivery

T. L. M. ten Hagen

14:43-14:55

Does hyperthermia clinically alter the α/β ? Insights from thermoradiotherapy vs. radiotherapy trials

N. R. Datta

15:00-15:30

COFFEE

15:30-17:00

SESSION 4: CHEMO-RADIOSENSITIZATION

CHAIRS: R. FIETKAU, A. KUKIELKA

15:30-15:50

Combined interstitial radiotherapy with interstitial hyperthermia

A. Kukielka

15:51-16:03

Molecular basis of modulated electro-hyperthermia combination with radio- and chemo-therapies

O. Szasz

16:04-16:16

Improving Hyperthermia-Based Anti-Cancer Treatments by Modulation of the Heat Shock Response

E. Scutigliani

16:17-16:29

Elevated apoptosis and tumor stem cell destruction in a radioresistant pancreatic adenocarcinoma cell line when radiotherapy is combined with modulated electro-hyperthermia

G. Fórika

16:30-16:42

Institutional variations in Hyperthermic Intraperitoneal Chemotherapy

R. Helderman

16:43-16:55

Can the combination of hyperthermia with low LET radiation have an equivalent anti-tumor effect as seen with high LET radiation alone?

P. Elming

17:00-18:30

AWARD SESSION

Int. J. Hyperthermia Awards by G.C. van Rhoon
ESHO young investigator Awards by G.C. van Rhoon
ESHO/Pyrexar Awards introduction by J. Crezee
ESHO/Pyrexar Awards winner presentation

20:00

GALA DINNER

Gala Dinner under the patronage
of Dr. Sennewald Medizintechnik GmbH

Friday

24th May 2019

08:45-10:40

SESSION 5: ONGOING CLINICAL STUDIES

CHAIRS: R. WESSALOWSKI, L. WYRWICZ

8:45-9:05

Hyperthermia in Poland

L. Wyrwicz

9:06-9:18

Focused ultrasound-induced hyperthermia as radiosensitizer for glioblastoma, prostate cancer and head and neck cancer cell lines

X. Zhang

9:19-9:31

Radiotherapy combined with Hyperthermia in the treatment of recurrent cancer of the head and neck region. Impact in early response and quality of life

M. A. Costa

9:32-9:44

Correlation between thermal dose and tumor control/ hyperthermia associated toxicity in recurrent breast cancer treated with thermoradiation

A. Bakker, J. Crezee

9:45-9:57

Feasibility study of the hyperthermia treatment planning software Hyperplan™ on the new BSD-2000 3D / MRI in a patient with high-risk soft tissue sarcoma of the lower extremity

B. Zilles

9:58-10:10

Evolution of Local-Regional and Whole-Body Hyperthermia in Portugal

J. Moreira-Pinto

10:11-10:23

The level of evidence for the medical indications of Whole-body hyperthermia (WBH) - Guideline for mild and fever-range WBH

H. Sahinbas

10:24-10:36

Susceptibility to hyperthermia treatment through CTCs study

P. Apostolou

10:40-11:00

COFFEE

11:00-12:30 **SESSION 6: FLASH POSTER PRESENTATIONS**
CHAIRS: A. BAKKER, P. WUST

12:30-13:45 **LUNCH**

12:45-13:20 **LUNCH SESSION**
Present and Future Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical
Chairs:
Mark Falkowski, CEO Pyrexar Medical
Gerhard Sennewald, CEO Dr. Sennewald Medizintechnik GmbH

13:45-15:25 **SESSION 7: RECENT CLINICAL TRIALS**
CHAIRS: M. FRANCKENA, P. RUTKOWSKI

13:45-14:05 **Erlangen University: Results of RT+HT clinical trials**
R. Fietkau

14:06-14:18 **Proton therapy and hyperthermia in bulky, treatment-resistant extra-abdominal desmoid tumours**
E. Stutz

14:19-14:31 **Combined wIRA-hyperthermia and repeat re-irradiation (re-re-RT) in the management of re-recurrences of locally recurrent breast cancer**
M. Notter

14:32-14:44 **Effects of modulated electro-hyperthermia on disease control and 3 year disease-free survival in locally advanced cervical cancer patients: Preliminary results**
C. Minnaar

14:45-14:57 **Hyperthermia and radiation for locally advanced cervical carcinoma: temperature matters**
M. Franckena

14:58-15:10 **Thermochemoradiotherapy for locally advanced pancreatic cancers: A pilot study**
N. R. Datta

15:11-15:23 **Radiotherapy in combination with regional Hyperthermia for Salvage Treatment in refractory Childhood Cancer**
R. Wessalowski

15:25-16:00

COFFEE

16:00-17:45

SESSION 8: MR-BASED HYPERTHERMIA

CHAIRS: N.R. DATTA, T. NIENDORF

16:00-16:20

Progress of MR-guided thermal intervention for brain tumors

T. Niendorf

16:21-16:33

Potential impact of MR-only treatment planning for MR guided deep pelvic hyperthermia

I. V. Boas-Ribeiro

16:34-16:46

Thermal Therapy of the Porcine Pancreas in-vivo using MR-Guided HIFU

L. Sebeke

16:47-16:59

Design and validation of the MRcollar: the first clinical grade MR-guided head and neck applicator

G. G. Bellizzi

17:00-17:12

MR thermometry validation and modeling of a 915 MHz annular phased-array in brain phantoms

P.F. Turner

17:13-17:25

Physical rationale and empirical data about mEHT as a low resource setting to treat brain tumors

P. Wust

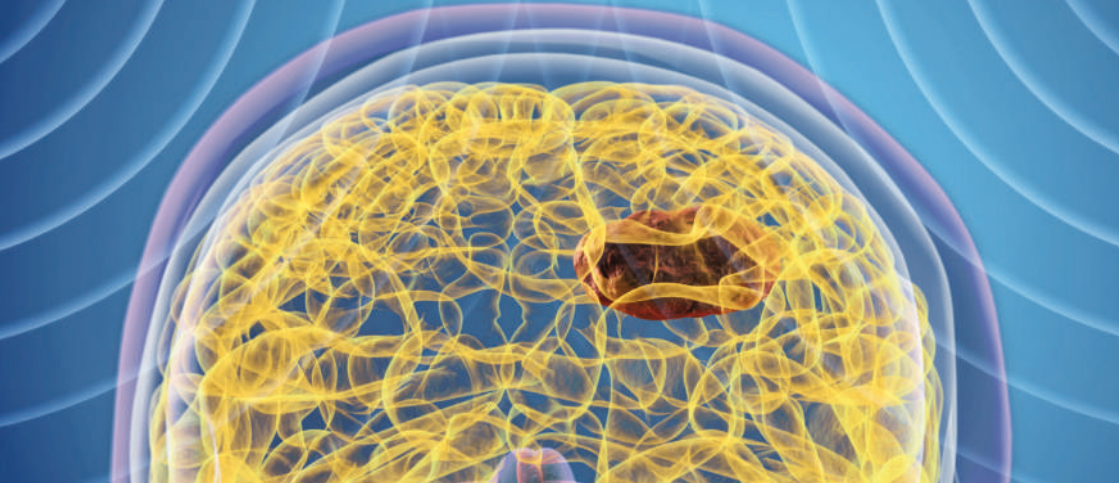
17:26-17:38

Hyperthermia and radiation induced MR diffusion changes in brain glioma tumour treatment

L. Khalafi

17:40-18:10

CLOSING CEREMONY



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POSTERS WITH PITCH

- PP01** **M. Spátek** - Radiotherapy combined with hyperthermia for locally advanced or metastatic melanoma: a single institutional experience
- PP02** **M. Hader** (DP Savcigil presents) - Impact of microwave-induced hyperthermia alone and in combination with radiotherapy on immunogenic potential of tumor cells of different tumor entities
- PP03** **S. Van Gool** - Modulated electrohyperthermia as part of immunogenic cell death treatment in pediatric neuro-oncology
- PP04** **A. R. Thomsen** - Monitoring of key parameters during thermography-controlled wIRA-hyperthermia in the treatment of superficial tumors
- PP05** **D. Löke** - Numerical models simulating drug penetration during HIPEC
- PP06** **J. Pérez-Muñoz** - Preliminary approximation to a new magnetic fields tolerance limit for antitumoral magnetic hyperthermia therapies.
- PP07** **K. Sumser** - Effect of discrete vasculature on head and neck hyperthermia treatment quality
- PP08** **M. Ghaderi Aram** - The UWB phased array applicator: novel cooling solutions
- PP09** **L. Sebeke** - In-vivo Validation of a Model-Based Control Algorithm for MR-HIFU Hyperthermia
- PP10** **A. Karaszi** - Modulated electro-hyperthermia as additional treatment option in oncology - feasibility study on quality-of-life, imaging and biomarkers to support treatment planning
- PP11** **J. Karpowicz** - Safety aspects of using hyperthermic oncology treatments by electromagnetic field in a medical environment
- PP12** **J. Bosque Martínez** - Radiation protraction and hyperthermia for IDH1-mutated diffuse WHO grade II gliomas: Predictions based on a mathematical model

POSTERS NO-PITCH

- P01 T. Vancsik** - Modulated electro-hyperthermia promotes doxorubicin cytotoxicity in a C26 colorectal carcinoma cell line model
- P02 M. Machielse** - Improvements in patient positioning for deep hyperthermia treatments
- P03 A. Ameziane** - New rooms - new assessment of staff exposure to em-fields during hyperthermia treatments
- P04 D.Marder** - Impact of electromagnetic stray radiation in the hyperthermia treatment room
- P05 C. Schvarcz** - Short term treatment with modulated electro-hyperthermia in triple negative breast cancer bearing mice
- P06 L. Danics** - Repeated treatment with modulated electro-hyperthermia inhibits tumor growth in a triple negative mouse breast cancer model
- P07 I. Gresits** - Non calorimetric hyperthermia measurements

GENERAL INFORMATION

Date:

22nd-25th May 2019 /Wednesday-Saturday/

Congress Venue:

22nd-24th May 2019

Warsaw Plaza Hotel

5 Łączyny St.,

02-820 Warsaw

phone number: +48 22 431 08 00

25th May 2019

Hyperthermia workshops

Warsaw Marie Curie Memorial

Cancer Institute

ul. Roentgena 5,

02-781 Warszawa

Congress office:

The congress office is located on level 0 of the Warsaw Plaza Hotel

*Please find on the floor plan /page 30/

Opening hours:

Wednesday

May 22nd

7:45 AM-5:15 PM

Thursday

May 23rd

7:30 PM-6:30 PM

Friday

May 24th

8:00 AM-6:00 PM

Official Language

The congress language is English. No simultaneous translation will be provided.

During Registration you will receive:

- A Folder with the program and congress materials
- Congress ID Badge
- Certificate of Participation
- Gala Dinner Invitation (if requested)

*In the event that the congress materials are lost, only an ID badge will be replaced.

Abstracts

All abstracts will be available as a pdf-file on the congress website www.esho2019.eu.

For safety purposes the PDF file is password protected. To access it, please use the following code: **ESHOABSTRACTS2019**

Congress ID Badge

Entrance will not be permitted to delegates who are not wearing their ID badge. For security reasons, all speakers, delegates, accompanying persons, and exhibitors are obliged to carry their badges throughout the congress. Delegates will be asked to show their badges upon entering workshop and session rooms.

Congress Folder

During registration, each participant will receive a Congress Folder with a complete set of Congress Materials.

Certificate of Participation

Conference participants are entitled to 22 educational points based on the Regulation of the Minister of Health of the Republic of Poland - October 6, 2004 on how to meet the professional development obligation of medical doctors and dentists, based on the approval of the Specialized and Continuing Education Committee of the TIP (Polish Society of Internal Medicine; reference number KKSU 61/2008) and in accordance with art 19 § 1 point 2 of the Act of 5 December 1996 on the professions of medical doctors and dentists.

CATERING AREAS

Coffee

Coffee and tea will be available during scheduled breaks in the Restaurants of the Warsaw Plaza Hotel.

Lunch

Lunch will be served in the Restaurants of the Warsaw Plaza Hotel, in the following times:

Wednesday

May 22nd

12:15 AM-1:15 PM

Thursday

May 23rd

12:15 AM-1:30 PM

Friday

May 24th

12:30 AM-1:45 PM

*the abovementioned information is concerns Thursday and Friday only

For the Participants that take part in the Lunch Session we provide Lunch boxes. Once the Lunch session end we also invite you to the Restaurant for Lunch in designated time.

INFORMATION FOR SPEAKERS

Presentation Upload Center

The presentation upload and preview center is located on level 0 of the Warsaw Plaza Hotel

*Please find on the floor plan /page 30/

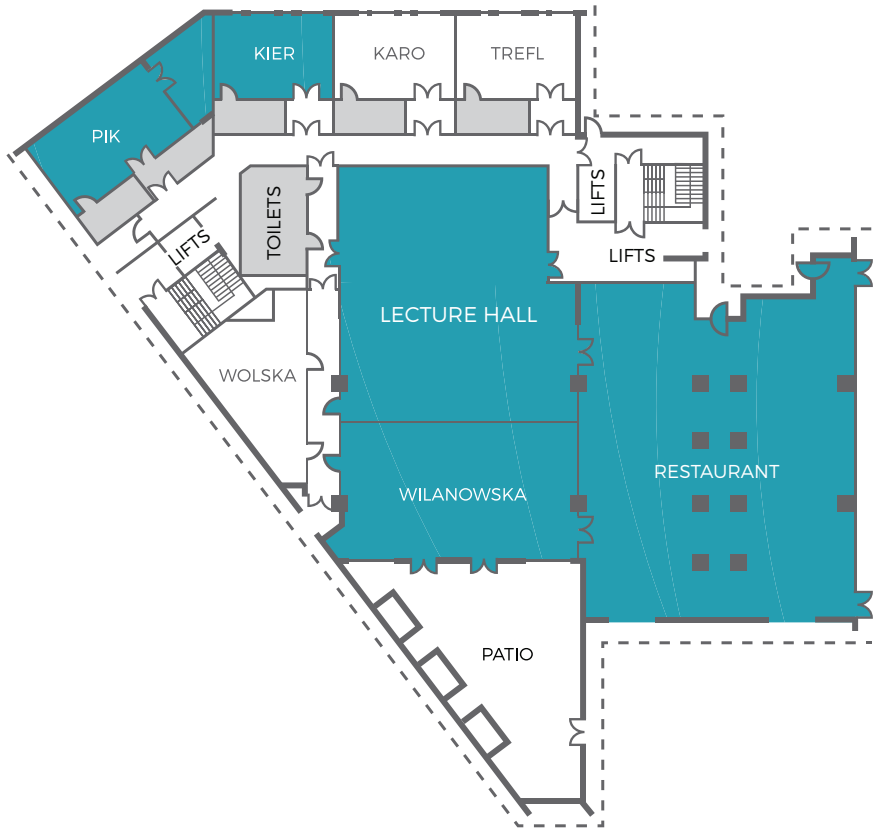
Speakers are kindly asked to deliver their presentations to the upload center not later than an hour before the start of the session, within which their speech is scheduled, for the purpose of ensuring their technical compatibility.

Parking for speakers

The parking for speakers is available and located at the back of the Warsaw Plaza Hotel.

Please state your name upon arrival.

FLOOR PLAN



PIK

ESHO Board meeting
ESHO General Assembly
Int. J. of Hyperthermia meeting

KIER

PTHO General Meeting

WILANOWSKA

Medical Exhibition

RESTAURANT

Catering Area
Medical Exhibition

MEETINGS OF SOCIETIES

ESHO Board meeting

Wednesday, May 22nd, 2:00 PM-4:30 PM
/Meeting Room 1 "PIK"/

PTHO General Meeting

Wednesday, May 22nd, 3.00 PM-4:45 PM
/Meeting Room 2 "KIER"/

ESHO General Assembly

Thursday, May 23rd, 6:30 PM-7:30 PM
/Meeting Room 1 "PIK"/

Int. J. of Hyperthermia meeting

Wednesday, May 22nd, 12:30 PM-1:30 PM
/Meeting Room 1 "PIK"/

OPENING CEREMONY

Date

Wednesday, May 22nd 2019, 5:00 PM

Venue

Lecture Hall

Warsaw Plaza Hotel, 5 Łączyńy Street, 02-820 Warsaw

PROGRAM

Welcoming of the Guests

- Speech of congress president
dr hab. n. med. prof. nadzw. Lucjan Wyrwicz
- Speech of congress v-president
prof. dr hab. n. med. Piotr Rutkowski
- Speech of congress secretary
dr n. med. Andrzej Kukietka
- Speech of ESHO president Prof. EMV&H
Gerard van Rhoon

Welcoming Cocktail

under the patronage of Dr. Sennewald Medizintechnik GmbH

Wednesday, May 22nd, 7.00 PM- 8.30 PM

Cocktail with cold buffets for all guests in the exhibitors area.

GALA DINNER

under the patronage of Dr. Sennewald Medizintechnik GmbH

Date

Thursday, May 23rd, 8.00 PM-00.30 AM

Venue

Lecture Hall

Warsaw Plaza Hotel, 5 Łączyńy Street, 02-820 Warsaw

GALA DINNER

under the patronage of Dr. Sennewald Medizintechnik GmbH



The Real Gone Tones hail from Warsaw, Poland and play a mix of 50's rockabilly, rhythm'n'blues, rock'n'roll and country since 2011. The band performs their own material as well as covers of old, long forgotten tunes. Rockin' and kickin' it, making you bop and shout! Female and male vocals? Yes, sir! These two singin' devils are some real deal heartbreakers! They'll rock you out, up and down, so you better watch it, cats and dolls!

Who's in the band?

Marla Marvel - lead vocal and rhythm guitar, real hot momma with a glint of mischief in her eye! Gregory Pick - leading guitar, a fine young lad with some crazy music on his hands! Little Jim - double bass, big daddy-o with a crazy slap! Boppin' Bob - drums, he's fast and he means it! Simon Paco Núñez - second vocal and harmonica, don't get fooled by those puppy eyes, this boy's a devil in disguise!

In the beginning of the 2015 they released their first, long awaited album called "So Cool" which got the attention of El Toro's capo Carlos Diaz who offered them a recording deal.

With the beginning of 2016 their second album, "Hot Mess", along with an EP album "Mean Mama" were released by El Toro Records.

Their latest album, "Backseat Bingo" has been released on CD and LP along with an EP single, "Watch Out!" through El Toro Records in the late 2017 and beginning of 2018.

www.youtube.com/user/TheRealGoneTonesPL

www.facebook.com/TheRealGoneTones

WORTH VISITING IN WARSAW



Palace of Culture and Science

The Palace of Culture and Science is an architectural icon of Warsaw. Built by architect Lew Rudniew, at 778 ft. tall, the tower is the tallest building in Poland. The art-deco style palace services hundreds of companies and institutions including, cinemas, libraries, Collegium Civitas University, swimming pools, and a Congress Hall auditorium, used for conferences and concerts. The most popular tourist attraction of the Palace of Culture and Science is the viewing terrace. From here you can spot some Warsaw landmarks such as the Vistula River and National Stadium. While you are up there, take advantage of the quaint cafe and gift shop. Take a trip back down to the 2nd floor to experience "History Horizon," a 3D virtual reality tour guide. The application takes you on a 360° virtual tour of Warsaw through the centuries, from the 11th century all the way through until the Warsaw Uprising.

Website
www.pkin.pl



Warsaw Uprising Museum

Considered to be one of Warsaw's most popular museums, the Warsaw Uprising Museum connects visitors to the history of those who died defending their beloved city against the German occupation in 1944. Visitors will leave with a deeper understanding of the desperate and difficult decision to resist German occupation, and learn about the consequences of such actions. Experience several floors of interactive and educational exhibits, filled with photographs, films, and personal accounts of the heroic insurgents.

Website
www.1944.pl



Royal Castle

Beginning as a mere tower and several wooden buildings, the Royal Castle has existed in Warsaw since the 14th century. It has been the residence of kings, presidents, and members of parliament. The castle that exists today was built mostly in the 16th century by King Sigismund III, and underwent several renovations under subsequent kings. During World War II, an enormous portion of the castle was completely destroyed but has since been replicated. Visitors can view certain rooms in the castle facilitated by the Castle Museum.

Website
www.zamek-krolewski.pl



WORTH VISITING IN WARSAW

St. John's Archcathedral

Since its construction in the 14th century, St John's Archcathedral has been a site of paramount historical significance. Many royal coronations, as well as burials have taken place here throughout the centuries. A visit to this historical church engages visitors with Warsaw's religious past and present.

The enormous cathedral is a landmark in the narrow and winding streets of Old Town. Although having been destroyed during WWII, the cathedral has since been reconstructed to its full glory. Architects chose to recreate the church's earlier Gothic style architecture, as opposed to the Baroque style which had existed before its destruction. Although the interior was almost completely destroyed during WWI, several valuable artifacts managed to survive, including the 16th-century wooden crucifix still hangs there today. Stained glass windows line the interior, depicting significant events in Polish history.

Website
www.katedra.mkw.pl



Lazienki Park

Located in the center of Warsaw, Lazienki Park is the city's largest public park covering 76 hectares. The park was originally built as a bath park in the 17th century, and later it was revamped into the summer residence of King Stanislaw August. Today it serves the public as a venue for music, culture, iconic and historical architecture, and enjoying nature. No matter if you visit during Poland's snowy winter, or in the blossoming spring, Lazienki Park has something to offer. Located within the park are several museums and buildings that are open year round. Begin with a visit to the Palace on the Isle. The palace was once a Baroque bathhouse pavilion before being transformed into the beautiful neoclassical palace it is today.

Website
www.lazienki-krolewskie.pl



Fryderyk Chopin's Museum

Created to celebrate the life and legacy of Poland's most famous composer, the Fryderyk Chopin Museum is an absolute must with any visit to Warsaw. The museum is located in the Ostrogski Palace which in and of itself is a Warsaw landmark. With a mix of classical artifacts as well as interactive digital displays, the museum is the perfect combination between music, high tech, and history.

With four floors and over 5,000 exhibits, the museum documents Chopin's life and work extensively. Artifacts range from a lock of hair, the maestro's elementary school books, and the passport that he used when he entered England. So considerable is the museum's collection that it even includes the last letter he addressed to his family and flowers from his deathbed. The museum also features a recreation of his Paris apartment, many paintings and sculptures, and an intriguing exhibition on the women in his life.

Website
www.muzeum.nifc.pl



Source: www.visitacity.com

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MR IMAGE-GUIDED HYPERTHERMIA A GLOBAL FIRST

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**ESHO 2019
LUNCH SYMPOSIA
MAY 23 & MAY 24**

DR. SENNEWALD 
medizintechnik gmbh



ESHO 2019

MAY 23

**Deep RF Hyperthermia -
Technical Historical Review
Paul Turner, Pyrexar Medical**

MAY 24

**Present and Future
Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical**

CHAIRS

**Mark Falkowski
CEO Pyrexar Medical
Gerhard Sennewald
CEO Dr. Sennewald Medizintechnik GmbH**

