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# HHT<sup>\*</sup>

## SCIENTIFIC CONFERENCE

[www.hht2011.org](http://www.hht2011.org)

**20-24 MAY 2011**  
**KEMER, ANTALYA - TURKEY**

<sup>\*</sup>HEREDITARY HEMORRHAGIC TELANGIECTASIA

# WELCOME

Welcome, The 9th Hereditary Hemorrhagic Telangiectasia (HHT) Scientific Conference will be held in Kemer, Turkey on the beautiful Mediterranean Coast. Kemer is small town in a region of southern Turkey called Antalya, and the main city of this region also goes by the name of Antalya. The area has become a primary vacation destination for those seeking sun, the seaside, gorgeous natural beauty in an area with ancient history. Antalya is prosperous, modern city with an international airport, as well as a charming, atmospheric old city center along the waterfront. Kemer is small seaside, resort community 44 km along the coast from Antalya. The conference is being held at an all-inclusive seaside resort hotel called Mirada del Mar which will provide accommodation, meals, conference facilities as well as many options for fun and entertainment for our group. A gala dinner is planned at the historic castle on the waterfront in the old town of Antalya.

Sincerely,  
Pinar Bayrak-Toydemir, Kevin Whitehead, and Jamie McDonald  
Conference Hosts  
University of Utah HHT Center



On behalf of the International organizing committee, I would like to welcome you to the 9th International Scientific Conference in Antalya

(Turkey), May 20-24, 2011. Our goal is to provide a meeting point for clinicians and basic scientists where participants will have access to the most recent advances in clinical research, therapeutics, and basic research in the field of HHT. I believe that this Conference represents a great opportunity to strengthen the collaborations between clinicians and scientists with the aim of finding better treatments for HHT, and I encourage you to join this exciting event.

Carmelo Bernabeu, Ph.D.  
Chair, Global Research and Medical Advisory Board (GRMAB) of the HHT Foundation International  
Centro de Investigaciones Biologicas, CSIC and Centro de Investigacion Biomedica en Red de Enfermedades Raras (CIBERER) c/ Ramiro de Maeztu 9 28040 Madrid, SPAIN



It is a pleasure to welcome you to the 9th International Scientific HHT Conference on behalf of the HHT Foundation International.

Through the convocation of the scientific and clinical research communities, new collaborations provide hope for the one million plus people affected with HHT worldwide. Our community will benefit greatly from your scholarship and we are happy to support this conference and our important work together.

It is through your efforts and dedication to unlocking the mysteries of this disorder that we dream of curing HHT for the next generation. I am confident that each of you bound together by a professional commitment of creating significant breakthroughs in science will advance our knowledge, improve our treatments and one day allow our dream of a cure to become a reality.

Best Wishes for a successful and productive meeting in Antalya!

Yours truly,

Marianne S. Clancy  
Executive Director

# CONFERENCE INFORMATION

## Scientific Program Committee

**Pinar Bayrak-Toydemir, M.D., Ph.D.**

Co- Chair, Scientific Program Committee  
Assistant Professor, Department of Pathology  
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ARUP Laboratories  
500 Chipeta Way  
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**Kevin Whitehead, M.D.**

Co-Chair, Scientific Program Committee  
Assistant Professor, Department of Cardiology, Co-  
Director, HHT Center of Excellence  
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**Jamie McDonald, M.S., L.G.C.**

Licensed Genetic Counselor  
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**Christine Mummery, PhD**

Professor of Developmental Biology  
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**Marianne Clancy**

Executive Director, HHT Foundation International,  
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**Roberto Zarrabeitia Puente, MD**

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**Carmelo Bernabeu, Ph.D.**

Centro de Investigaciones Biologicas, CSIC  
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**Marie Faughnan, M.D., M.Sc. Assistant Professor,**

Department of Respiriology  
Director, Toronto HHT Center  
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**Michelle LeTarte, Ph.D.**

Molecular Structure and Function Program  
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555 University Ave.  
Toronto, ON M5G 1X8 Canada

## Key dates

**Conference dates**

**Deadline submission of abstracts**

**Communication of acceptance/rejection of abstracts**

**Complete reimbursement if cancellation**

**50% reimbursement if cancellation**

**20-24<sup>th</sup> May 2011**

**February 4<sup>th</sup>**

**March 4<sup>th</sup>**

**Until February 18<sup>th</sup>**

**February 19<sup>th</sup> - April 20<sup>th</sup>**

# CONFERENCE INFORMATION

## Preliminary Scientific Program

*The Complete/Final Program will be posted in late February or early March, after the completion of the "Call for Abstracts" period. The Preliminary Program includes invited speakers and anticipated sessions. The proposed sessions may be altered slightly to accommodate abstracts received.*

**20 May 2011, Friday**

17:30-19:00 Welcome reception  
(Afternoon- rooms available for ancillary meetings)

**21 May 2011, Saturday**

### Morning

- 08:30-10:00 **Session I: Introduction – HHT then and now**  
*Alan Guttmacher*, Director – Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD, USA –  
**"HHT Then and Now"**  
*Scott Grosse*, Division of Blood Disorders, National Center on Birth Defects and Developmental Disabilities, Centers for Disease Control and Prevention, Atlanta, GA, USA –  
**"Using Administrative Data Sources for Population Surveillance for HHT"**
- 10:00-10:15 Coffee Break
- 10:15-12:15 **Session II: Stem cell/progenitors in genetic diseases**  
*Bruno Peault*, Centre for Cardiovascular Science, The University of Edinburgh, Edinburgh, Scotland, UK and Orthopedic Hospital Research Center, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA – TBA  
*Christine Mummery*, Department of Anatomy and Embryology, Leiden University Medical Center, Leiden, The Netherlands –  
**"Towards a human HHT model based on induced pluripotent stem cells"**
- 12:15-13:30 Buffet Lunch- opportunity for ancillary/networking meetings

### Afternoon

- 13:30-15:15 **Session III: Management of pregnancy and other conditions in the patient with HHT**  
*Claire Shovlin*, National Heart & Lung Institute Cardiovascular Sciences, Imperial College, London, UK - TBA
- 15:15-15:30 Refreshment break
- 15:30-17:30 **Session IVa (concurrent session): Pulmonary arteriovenous malformations**  
**Session IVb (concurrent session): Molecular diagnostics in HHT**

**(19:00 Dinner Meeting- HHT Foundation Global Research and Medical Advisory Board Members)**

# CONFERENCE INFORMATION

## Preliminary Scientific Program

**22 May 2011, Sunday**

### **Morning**

- 08:00-09:45 **Session V: Cerebrovascular malformations**  
*William Young*, Department of Anesthesia and Perioperative Care, University of California, San Francisco, CA, USA –  
***"Lumpers versus splitters: Is Hereditary Hemorrhagic Telangiectasia (HHT) a biological model of sporadic brain AVM?"***
- 9:45-10:00 Coffee break
- 10:00- 12:00 **Session VI: Animal, cellular and molecular models**  
*Navin Kapur*, Division of Cardiology, Tufts Medical Center, Boston, MA, USA –  
***"Osler, Weber, and Rendu: Providing Insights Into Cardiac Remodeling A Century Later"***
- 12:00-13:00 Buffet Lunch- poster viewing with authors

### **Afternoon**

- 13:00-14:45 **Session VII: Genetic modifiers of HHT and genotype-phenotype correlations**  
*Rosemary Akhurst*, Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, CA, USA –  
***"TBA"***
- 14:45-15:00 Refreshment Break
- 15:00-17:00 **Session VIIIa (concurrent session): Angiogenesis and vascular development**  
**Session VIIIb (concurrent session): HAVM and cardiac involvement in HHT**  
*Sukru Emre*, Professor of Surgery and Pediatrics, Chief, Section of Transplantation and Immunology Director, Yale-New Haven Transplantation Center Department of Surgery Yale University-  
***"Experience and Issues of Liver Transplant in HHT Patients"***

### **Evening program**

Gala dinner



# CONFERENCE INFORMATION

## Preliminary Scientific Program

**23 May 2011, Monday**

### Morning

- 08:00-10:00 **Session IX: Anti-angiogenic therapies and clinical trials in HHT**  
*Franck Lebrin*, INSERM U833, Collège de France, Paris, France – TBA
- 10:00-10:15 Coffee Break
- 10:15-12:15 **Session X: TGF- $\beta$  and BMP signaling pathways**  
*Mark P. deCaestecker*, Division of Nephrology, Vanderbilt University Medical Center, Nashville, TN, USA –  
**“BMP signaling and pulmonary hypertension”**
- 12:15-13:15 Buffet Lunch –opportunity for poster viewing or ancillary meetings

### Afternoon

- 13:30-18:00 Social Program/Group Tour

**24 May 2011, Tuesday**

### Morning

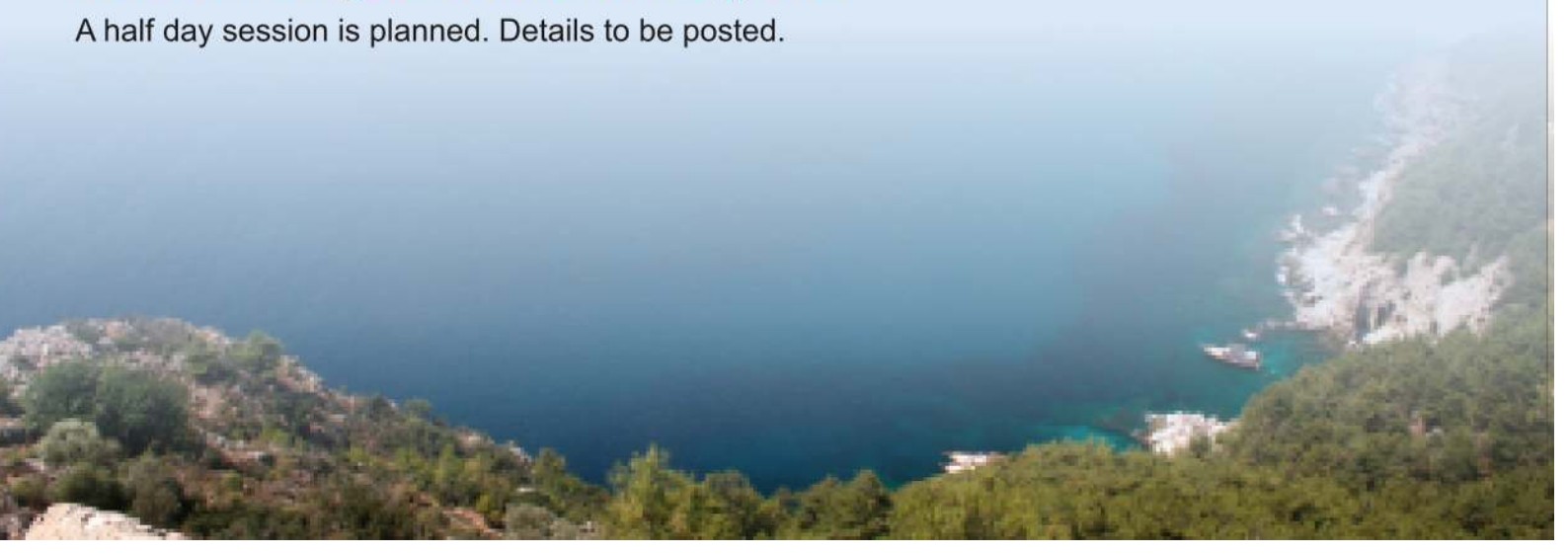
- 08:30-10:30 **Session XI: Hemorrhagic consequences of HHT – Epistaxis, GI bleeding, iron deficiency anemia**
- 10:30-10:45 Coffee Break
- 10:45-12:30 **Session XII: Insights from other vascular diseases**  
*Kevin Whitehead*, Division of Cardiology, University of Utah, Salt Lake City, UT, USA –  
**“Mechanisms and Models in Hereditary Vascular Diseases: Cavernous Malformations”**
- Session XIII: Summary session**

### Afternoon

Rooms available for ancillary meetings

## Patient Organization Program

A half day session is planned. Details to be posted.



# CONFERENCE INFORMATION

## Leisure program



# CONFERENCE INFORMATION

## Registration & Accommodation

Dear participants,

You have two options for registration. Option 1, which is recommended, covers conference registration and 4 nights accommodation at Mirada del Mar Hotel - the all-inclusive resort where all conference sessions will be held. For most attendees this will be the most economical, convenient and pleasurable option.

### **OPTION 1** CONFERENCE REGISTRATION with ACCOMODATION (4 Nights) INCLUDED

	EARLY REGISTRATION until April 20th, 2011			LATE REGISTRATION until May 15th, 2011			ON-SITE REGISTRATION after May15th, 2011		
	Single Room	Per Person in Double Room	Per Person in Triple Room	Single Room	Per Person in Double Room	Per Person in Triple Room	Single Room	Per Person in Double Room	Per Person in Triple Room
	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)	(20-24 May 2011)
Delegates	715 EUR	555 EUR	535 EUR	822 EUR	638 EUR	615 EUR	1.027 EUR	798 EUR	769 EUR
Resident / Student	695 EUR	540 EUR	520 EUR	764 EUR	593 EUR	572 EUR	917 EUR	712 EUR	687 EUR
Patient's workshop attendees	682 EUR	529 EUR	510 EUR	729 EUR	566 EUR	546 EUR	839 EUR	651 EUR	628 EUR

#### The Option-1 Fee covers:

- ✓ 4 nights (May 20-21-22-23, 2011) accommodation and “ultra all inclusive\*” package at seaside conference hotel
- ✓ Welcome reception
- ✓ Coffee breaks
- ✓ Lunches
- ✓ Gala dinner
- ✓ Access to the Scientific Sessions and Exhibition
- ✓ The conference documents (Program Book, Certificate of Attendance, Conference Bag and Badge, Conference book),
- ✓ Social program
- ✓ Airport transfers (between ConferenceHotel and Airport bi-directionally)

\*Ultra all inclusive includes;

- ❖ Breakfast ( Main restaurant )
- ❖ Lunch, Coffee Breaks
- ❖ Dinner ( Main restaurant ) with unlimited local drinks
- ❖ Unlimited local drinks at the hotel lobby bars.
- ❖ Local drinks includes alcoholic beverages

<i>Accompanying a dult couldn't be an attendant!</i>					
<i>If 1<sup>st</sup> person is an attendant</i>	2nd Adult	3rd Adult	1st child		2nd child
			(0-6 yrs)	(7-12 yrs)	(3-12 yrs)
in a Double Room	185				
in a Triple Room	170	170			
with Child(ren)	185	-	Free	95	95



# CONFERENCE INFORMATION

## Registration & Accommodation

### **OPTION 2** CONFERENCE REGISTRATION without CONFERENCE HOTEL ACCOMMODATION

	EARLY REGISTRATION until April 20th, 2011	LATE REGISTRATION until May 15th, 2011	ON-SITE REGISTRATION after May 15th, 2011
Delegates	490 EUR	520 EUR	600 EUR
Resident / Student	400 EUR	420 EUR	500 EUR
Patient's workshop attendees	400 EUR	420 EUR	500 EUR
Accompanying adult	280 EUR	300 EUR	375 EUR

OPTION 2 includes the conference registration fee, and an outside participant fee for the conference attendees who are not staying at the Conference hotel. This fee is (96 euros for all 4 days) to cover the food, services and conference facilities provided each day for the attendee once they enter the all-inclusive resort. By choosing this option it is understood that you wish to find your own accommodation at a location other than the conference hotel.

#### **The Option-2 Fee covers:**

- ✓ Welcome reception
- ✓ Coffee breaks
- ✓ Lunches
- ✓ Gala dinner
- ✓ Access to the Scientific Sessions and Exhibition
- ✓ The conference documents (Program Book, Certificate of Attendance, Conference Bag and Badge, Conference book)
- ✓ Social program

### **Airport/Hotel Shuttle Fees**

- ❖ Free (only for people who selected Option 1)
- ❖ One-way transfer (30 Euro)
- ❖ Bidirectional transfer (60 Euro)



# CONFERENCE INFORMATION

## Abstract submission

### Deadline 4th February 2011

You can create an abstract and later make changes to your abstract(s) using this system.

### Abstract Submission Instructions

#### Information for authors

The Scientific Program Committee invites authors to submit abstracts to be considered for inclusion in the Scientific Program for oral or poster presentations. Case reports must be submitted for poster presentation. Participants wishing to contribute to the Scientific Program are kindly requested to submit their abstract simultaneously with the registration form and the registration fee of at least one author (Presenting). The Scientific Program Committee will consider authors' preferences about presentation, but reserves the right to decide on the final form depending on matters of program organization.

#### Submission deadline

Abstracts must be submitted on line using the abstract form, in English, before FEBRUARY the 4th, 2011. The online system will guide the authors step by step with the submission process.

#### Abstract format

- Size: the abstract should not exceed 250 words.
  - Language: English.
  - Style (automatic in online system):
- 1) Title: Times New Roman 12, bold, capitals, no abbreviations, 1,5 line space. (Example: RENDU OSLER WEBER)
  - 2) Authors: Times New Roman 12, bold, 1,5 line space. (Example: J Pérez, S Martínez)
  - 3) Institutions: Times New Roman 10, bold, 1,5 line space.
  - 4) Text: Times New Roman 10, non bold, justified text, 1,0 line space. Only standard abbreviations allowed.
  - 5) Figures and graphs.

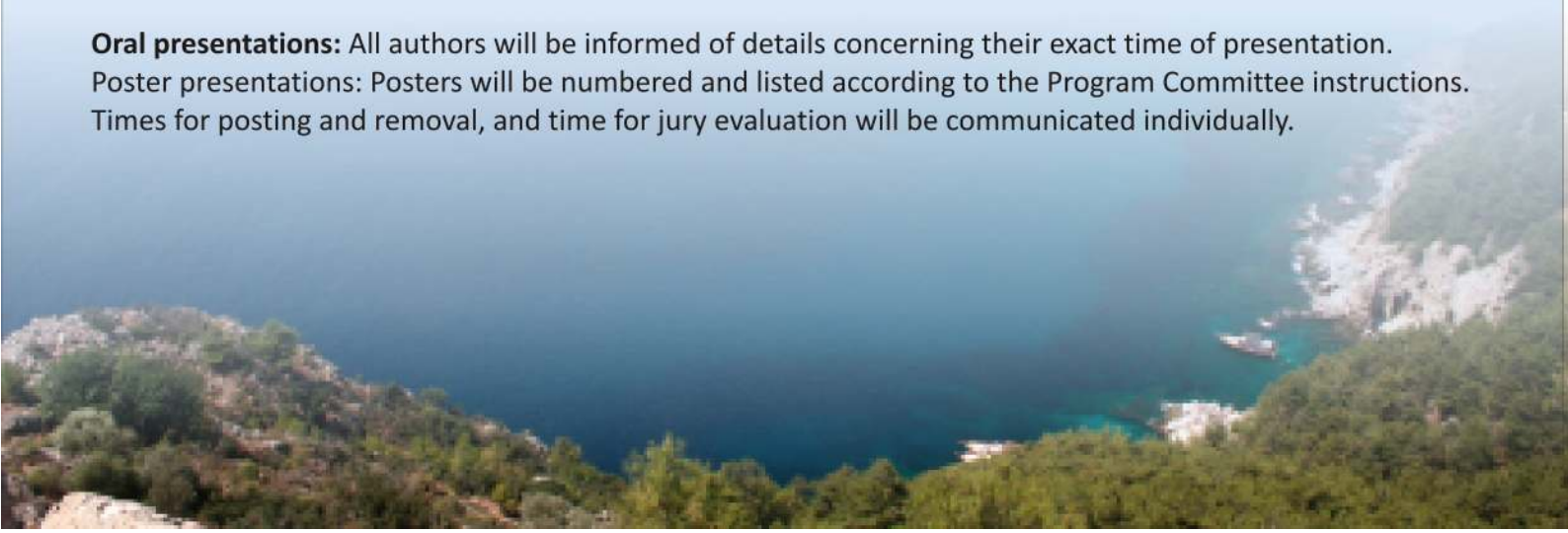
#### Acknowledgement and notification

The online system will automatically confirm the receipt of the abstract.

#### Acceptance/Rejection of Presentations

The Scientific Program Committee will review all submitted abstracts. Submitters will be notified of their decisión regarding acceptance/rejection by March 4th.

**Oral presentations:** All authors will be informed of details concerning their exact time of presentation. Poster presentations: Posters will be numbered and listed according to the Program Committee instructions. Times for posting and removal, and time for jury evaluation will be communicated individually.



# LOCAL AREA INFORMATION

## Maps

### Kemer (Goynuk) / Antalya Turkey

#### Geographic Location



In Turkey



In Antalya



In Kemer



Conference Hotel



# LOCAL AREA INFORMATION

## Maps



**Ancient cities and historical places in Antalya**



**Mountains in Antalya**



**National Parks in Antalya**



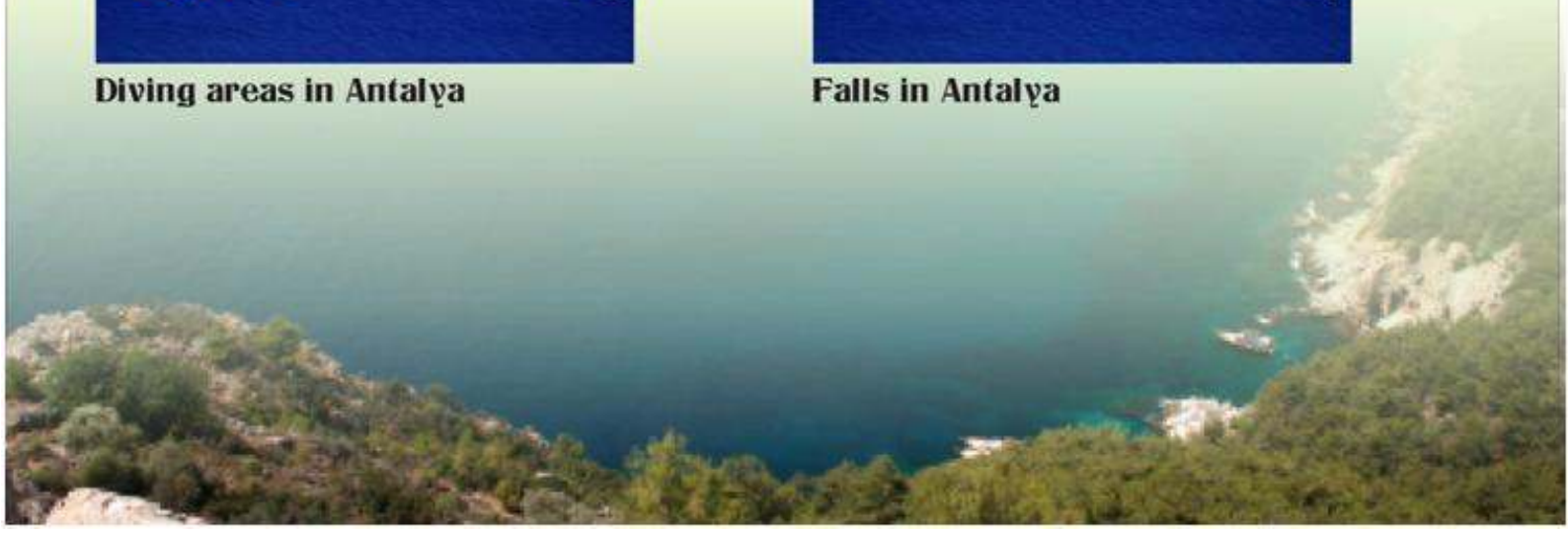
**Caves in Antalya**



**Diving areas in Antalya**



**Falls in Antalya**



# LOCAL AREA INFORMATION

## Tourism in Antalya

Antalya is a province in the southern Mediterranean region of Turkey. Antalya is on the Turquoise Riviera with clear waters and beautiful Mediterranean coastline, the region is great for divers, swimmers and yachting. Group or customized tours before and after the conference dates can be arranged by contacting Bahar Gulaylar St-Arnaud who is the Turkish niece of our own Michelle Letarte, and runs/guides tours for Travel Shop Turkey since 2004.

cell phone: Canada: 581 998 8456, Turkey: 90 535 392 6334

e-mail: bahargulaylar@hotmail.com / conciergeinturkey@hotmail.com



**Kaleici:** Today the historical old city of Antalya known as Kaleici (the inner castle) is surrounded by two walls, most of which have fallen down. The inner wall encloses the harbour in a semicircle. As a result of restoration, Kaleici has turned into a major tourist centre with guest-houses, bars, shops and restaurants, and the Roman harbour has been turned into a modern, well-equipped



**Düden Waterfalls** are a group of waterfalls in the province of Antalya, Turkey. The waterfall, formed by the Düden River (one of the major rivers in southern Anatolia), is located 12 km north-east of Antalya; which ends, where the limpid waters of the Lower Düden Falls drop off a rocky cliff directly into the Mediterranean Sea in a



**Aspendos or Aspendus** was an ancient Greco-Roman city in Antalya province of Turkey. It is located 7 kilometres (4.3 mi) northeast of central Serik.



**Hadrian's Gate** is a triumphal arch which was built in the name of the Roman emperor Hadrian, who visited Antalya in 130 A.D. It has three arched gates. The upper part has three apertures in the shape of a cupola, and except for the pillars is built entirely of white marble. The ornamentation is very striking. The original Gate was two storeys but little is known of the top storey.



**Old Houses of Antalya:** With its hot summers and mild winters, the houses in Antalya are designed to provide protection not against the chill of winter but against the merciless heat of summer. The houses in Antalya can be divided into three types based upon the design of the main hall, which also serves as a storage area. The three types are I halls, L halls and U halls.



**The Kesik Minare (Broken Minaret)** standing in the streets of Kaleici (Old Antalya) in Turkey was originally built as a Roman temple in the 2nd century AD. The temple turned church turned mosque was destroyed in a fire of 1846, but the minaret survived, as the Kesik Minare.



**Karaalioglu Park** is a large park in Antalya, Turkey. It is just south of Kaleici in the city center, easily reached on foot or by tram. The mayor's office, Municipal city theater, and an ancient fortress called Hidirlik Tower overlooking the Roman harbor, view of the cliffs and the broad blue expanse of the Gulf of Antalya are major attractions of the park.



**Antalya Museum:** The museum consists of 12 exhibition rooms, gardens and open galleries. In these halls the history of Antalya is given in chronological order. There are mosaics, the Gallery of the Gods, Phrygian ornaments, and a room with Christian art that includes pieces of the skull and jawbone of St Nicholas, the original Santa Claus. The ethnography section has a collection of Iznik ceramics, household implements and weapons.

# LOCAL AREA INFORMATION

## Tourism in Antalya



**Termessos Antique City:** Termessos was a Pisidian city built at an altitude of more than 1000 meters at the south-west side of the mountain Solymos (modern day Güllük Dagi) in the Taurus Mountains (modern day Antalya province, Turkey). Because of its natural and historical riches, the city has been included in a National Park bearing its name.

**Karain Magarasi (Karain Cave)** is a cave and a Paleolithic archaeological site located at Yagca village 27 km northwest of Antalya city. Karain is a prehistoric cave, situated at a height of about 370 m from the sea and about 80 m up the slope, where the Western Taurus calcareous zone borders on the travertine plain

**Ariassos Harabeleri:** Ariassos (or Ariassos) was a Pisidian city built at a height of 1050 meters in the Taurus Mountains (modern day Antalya province, Turkey). Ariassos is 48 km from Antalya along the Antalya-Burdur highway and before arriving at the village Dag, turn left and Ariassos is 1 km. further on. Ariassos was built in a valley and could survey its surroundings. The gate, the baths, the rock tombs and the mausoleum are almost intact

**Kekova**, also named Caravola (Lycian: Dolichiste), is a small Turkish island near Kaş (ancient Antiphellos) district of Antalya province which faces the villages of Kaleköy (ancient Simena) and Üçağız (ancient Teimioussa). *Kekova has an area of 4.5 km<sup>2</sup> and is uninhabited*

### DO & BUY

Most of Antalya's historic buildings can be found along the narrow, winding streets of Kaleiçi, the old quarter. Historical, architectural and archaeological sites of note include: Yivli Minaret, Karatay Medresesi, Hidirlik Tower, Ahi Yusuf Mescidi, Iskele Mosque, Murat Pasa Mosque, Tekeli Mehmet Pasa Mosque, Balibey Mosque, Musellim Mosque, Seyh Sinan Efendi Mosque, Hadrian Arch, and the Clock Tower. Many structures date back to the Hellenistic era. Additionally the Antalya Museum has a notable archaeology collection.

Walk around and chill at Beachpark.

Shop at great malls; 5M and Deepo Outlet Center.

### BUY

The usual souvenirs, carpet & rug, blue eyes, fake designer clothing, shoes, aromatic herbs, waterpipes and more.



### CLICK

[http://en.wikipedia.org/wiki/Tourism\\_in\\_Antalya](http://en.wikipedia.org/wiki/Tourism_in_Antalya)

<http://www.tourismturkey.org/ShowCities.aspx?ImgSession=y&Citi=Antalya>

[http://www.sanalbasin.com/git.php?link=http://www.turkish.com/&id=6142&t=yerel&kat=yabanci\\_turizm\\_siteleri](http://www.sanalbasin.com/git.php?link=http://www.turkish.com/&id=6142&t=yerel&kat=yabanci_turizm_siteleri)



# LOCAL AREA INFORMATION

## Tourism in Kemer

### History of Kemer

Kemer was called Eski Köy (old village) until in 1916 - 1917, a 23 km (14 mi) long stone wall was built to channel the mountain stream water and protect the town from flooding, which until then had been a persistent problem. The name Kemer refers to those walls. Until the 1960s there was no coast road and the district was accessible only by boat. Then a road was built and from the 1980s onwards this was followed by a great investment in infrastructure, planned by the state and funded by the World Bank, aimed at developing a large tourist trade.

### Tourism in Kemer

This important tourism region is located in the southwest of Turkey, 42 km south of Antalya. This region has grown very fast in this field, especially within the last 15 years and has added new 5-star hotels and vacation villages into its structure.

Besides the great holiday villages around the district, many big and little hotels are in a position to answer all kinds of accommodation requirements. During the trip from Antalya to Kemer, which takes 40 minutes, pine trees will accompany you. At one side where is the Taurus Mountains will be on the other side and many impressive panoramas worthwhile to see, will fascinate you. Then you will arrive at the center of Kemer. Many bays and small natural harbors are present in its indented coast - line.

One of the major attractions of Kemer is its natural beauty; sea, mountains and pine forest combine in harmony. Kemer's 320 berth marina offers several restaurants for the tourists as well as being an important wintering-over marina for liveaboard sailors from the USA, England and most of Europe. Annual events in the area include art exhibitions in Phaselis, boat races, WRC World Rally Championship, Turkey Offshore Championship, Turkey Motocross Championship, Phaselis Art Festival, and Kemer Carnival.



Phaselis is an ancient Lycian city in the province of Antalya in Turkey. It is located between the Bey Mountains and the forests of Olympos National Park, 16 km west of the touristic town of Kemer and on the 57th kilometre of the Antalya–Kumluca highway. Phaselis and other ancient towns around the shore can also be accessed from the sea by daily yacht tours.



Phaselis Beach: History, mountains, seas, forests, shallow bays and fine sand caused by the merger of rare beauty beach.



Olympos-ÇIRALI (Chimera): Olympos is an ancient city which is located in a valley at the south coast of Turkey, 90 km southwest of Antalya city near the Town of Kumluca. The former city of Olympos was founded in the Hellenistic period, presumably taking its name from nearby Mount Olympos (Turkish: Tahtalı Dağı, Timber Mountain), one of over twenty mountains with the name Olympos in the Classical world.

# LOCAL AREA INFORMATION

## Tourism in Kemer



**Tahtalı Mountain:** Mount Tahtalı, located in Antalya-Kemer, with its height of 2365m is the mountain closest to the sea on the southern coastline of Turkey. Closest to the sea in the world, but one of the highest peak "Tahtalı" mountain. Visitors come from the sea and within minutes you can ski in a unique panorama. Peak is reached in 10 minutes.



**Beldibi Neolithic Cave:** 40km from the Antalya - Kemer highway, 25m high above the coast and just past the Camdag tunnel there is BELDIBI CAVE, a shelter like cave which, regrettably enough, has been seriously damaged by Nature's violent force. The cave is used like an archaeological site which is constantly open for locals and tourists alike.



**Park Kemer Marina** is located in Kemer. All guests who moor there will have access to very basic services, such as water and electricity. Its users may take advantage of its complete basic range of services. It is a marina with moderate capacity for super yacht size boats, taking into account the number and size of its moorings (max. length: 35.00 – max. draught: 5.00).



**Üçoluk Plateau:** You can reach by 37 km long, passing through pine trees stabilized way from Kemer. City's southwest, about 1500 m. The plateau height, has a rich flora and fauna. Infrastructure such as electricity and phone service is not easy. In the highland village houses, cedar, pine and oak trees are as integrated with.



**Paris Batığı:** This is a French cargo ship that is lying on the sand at a depth of 25 meters, about one and a half kilometers away from the Kemer Marina. There hasn't been a detailed study of this ship which sank during the World War II, and the reason why it sank is unknown. This wreck has had a lot of visitors.



**Göynük Kanyonu:** The canyon in Göynük maintains its mystery as an unknown natural wonder for years. The canyon, with its deep valleys, narrows down to 6 m from time to time. It also provides opportunities to swim in its large ponds. The valley, with its magnificent waterfalls, is a natural wonder worthwhile to see, and waiting to be discovered

### DO & BUY

- Join one of the boat tour and enjoy the bays.
- Visit the ancient cities of Olympos and Phaselis.
- Buy various vegetable and fruit jams
- Do jeep safari.
- See the flame burning for centuries in "Çıralı".
- Do windsurf, rafting and paragliding.

### EAT

- Eat Mediterranean tapas and fish in the seaside.
- Mediterranean cuisine is dominant in the region must eat fish and other marine products.
- Grida as indigenous seafood, pike, swordfish, bream can be considered.
- Must also be tasting the famous appetizers.

### CLICK

- <http://en.wikipedia.org/wiki/Kemer>
- [http://www.tripadvisor.com.tr/Tourism-g297966-Kemer\\_Turkish\\_Mediterranean\\_Coast-Vacations.html](http://www.tripadvisor.com.tr/Tourism-g297966-Kemer_Turkish_Mediterranean_Coast-Vacations.html)
- <http://www.sundancecamp.com/History/Phaselis/index.html>





# LOCAL AREA INFORMATION

## How to arrive

### By Plane

The Antalya International Airport (<http://www.aytport.com/en/default.aspx>) is served by direct flights from many European cities. The Antalya Airport is 50 kms from Kemer. The airport is big and modern, built to accommodate the millions of passengers who come to Turkey's Mediterranean beaches in summer. It handled nearly 18.8 million passengers in 2008, more than 16.2 million of which were international passengers. The airport has two international terminals and one domestic terminal.

### SHUTTLE BUS FROM AIRPORT

We will arrange for shuttle service between the Antalya Airport and Mirada del Mar Hotel (the Conference Hotel) on the days just before and after the conference. The shuttle times will be posted here in April 2011.

For those arriving at times not served by conference arranged shuttles, taxi service is available, at an estimated cost of about 60€. Also, bus service is available from the Airport to the Antalya City Bus Terminal, and from there minibuses (dolmuşes) leave for Kemer every 15 minutes.

### By Car/Bus

Here is a road map of the Antalya region for those who will be arriving by car or bus. It is possible to travel to Kemer by intercity bus from many cities in Turkey. Some of the leading traveling companies are listed below the map.

Varan Tourism - 444 89 99

Ulusoy Tourism - 444 18 88

Metro Tourism - 444 34 55

Nilüfer Tourism - 444 00 99

Kamil Koç Tourism - (+90 224) 261 50 00

Pamukkale Tourism - (+90 232) 472 02 02

## Distances

Antalya Airport – Antalya citycenter	10 km	Göynük – Antalya city center	35 km
Antalya Airport – Terminal bus	23 km	Göynük – Antalya Airport	45 km
Antalya Airport – Göynük	45 km	Kemer – Phaselis	15 km
Antalya Airport – Kemer	50 km	Kemer – Olympos	30 km
Antalya citycenter - Göynük	35 km	Kemer – Aspendos	115 km
Antalya citycenter - Kemer	44 km	Antalya – Ephesus	~ 382 km
Göynük - Kemer	5 km	Antalya – Cappadocia	~ 500 km



# HHT ORGANIZATIONS

## HHT centers

### CANADA

#### TORONTO HHT NETWORK

St. Michael's Hospital, 6 Bond St., Room 6049  
Toronto, ON M5B 1W8, CANADA  
www.hhttoronto.com

#### Adult HHT & Pulmonary AVM Center

Contact: Rose Pantalone for Dr. Marie Faughnan,  
Director  
Tel: 416-864-6060 ext. 2407

#### Pediatric HHT Clinic

Director: Dr. Felix Ratjen  
Hospital for Sick Children  
Tel: 416-813-5837 (contact: Susan Carpenter)

#### HHT Genetics Team

The Hospital for Sick Children, Division of Clinical &  
Metabolic Genetics  
555 University Ave. Toronto, ON M5G1X8, Canada  
Contact: Ms. Regan Klatt, MS,CCGC,CGC  
Vice-Director  
Tel: 416-813-6389 / Fax: 416-813-5345

#### Brain AVM Clinic

University Health Network, Dr. Karel terBrugge  
Interventional Neuroradiologist  
Tel: 416-603-5266 - <http://www.brainavm.com>

#### EDMONTON HHT CENTRE

2E4.26 Walter Mackenzie Centre - University of  
Alberta  
8440 112 Street, Edmonton, AB T6G 2B7 CANADA  
Contact: Laura Miller for Dr. Vethanayagam  
Tel: 780-407-7544

#### MONTREAL HHT CENTRE

CHUM, Hotel Dieu, 840 rue St. Urbain, Montreal, QC  
H2W 1T8, CANADA  
Contact: Therese Carle for Dr. Marie Faughnan  
Tel: 514-890-8000 local 15672 / Fax: 514-412-7123

### CHINA

#### HHT CENTER CHINA

Department of Radiology, The Institute of Vascular  
Interventional Radiology, The First Affiliated  
Hospital of China Medical University, No.155,  
Nanjing Bei Street, Shenyang, CHINA 110001  
Contact: Dr. Hongshan Zhong & Dr. Ke Xu  
Tel: 86-24-832-82447 / Fax: 86-24-83282629

### DENMARK

#### HHT DENMARK

Odense University Hospital Dept. of  
Otorhinolaryngology, Sdr Boulevard 29  
5000 Odense C, DENMARK  
Contact: Dr. Anette Kjeldsen  
Tel: 045-6320-2120 or 045-6320-2127  
Patient Support Group: [www.osler.dk](http://www.osler.dk)

### FRANCE

#### HHT CENTER SOUTHERN FRANCE

Service de Genetique, Hotel Dieu, Quai Jules  
Courmont, 69288 Lyon Cedex 02 FRANCE  
Contact: Professor Henri Plauchu  
Tel: 4-72-413295 / Fax: 4-72-413146  
Patient Support Group: [www.amro-france.org](http://www.amro-france.org)

#### HHT CENTER PARIS, FRANCE

Consultation Pluridisciplinaire Maladie de Rendu-  
Osler, Hopital Ambrose Pare, 9, Avenue Charles de  
Gaulle, 92104 Boulogne Billancourt Cedex FRANCE  
Contact: Benedicte Chesneau, Tel: 33-014094432  
Patient Support Group: [www.amro-france.org](http://www.amro-france.org)

### GERMANY

#### HHT GERMANY – COLOGNE

Kliniken der Stadt Koeln / Hospitals of the City of  
Cologne  
Krankenhaus Holweide / Holweide Hospital, HNO –  
Abteilung / Department of Otorhinolaryngology  
Neufelder Str. 32, D-51067 Koeln GERMANY  
Contact: Dr. Urban Geithoff  
Tel: 49-221-8907-12727 / Fax: 49-221-8907-2730  
Patient Support Group: <http://www.morbus-osler.de>

#### HHT GERMANY - HOMBURG

Univ. HNO-Klinik, Kirrberger Strasse  
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#### HHT GERMANY - MARBURG

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#### HHT GERMANY-LIPPSPRINGE

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D-33175 Bad Lippspringe GERMANY  
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Tel: 49-5252-954302 / Fax: 49-5252-954350  
Patient Support Group: <http://www.morbus-osler.de>

### IRELAND

#### NATIONAL HHT CENTRE IRELAND

Mercy University Hospital, Grenville Place  
Cork, IRELAND  
Contact: Margaret Murphy & Dr. Adrian Brady  
Tel: 353-21-2305040  
Patient Support Group: Grace Nolan Foundation at  
[www.Gracenolan.com](http://www.Gracenolan.com)

### ISRAEL

#### HHT CENTER ISRAEL

Schneider Children's Medical Center of Israel  
Rabin Medical Center, Tel Aviv University  
14 Kaplan St., Petach Tikwa  
HHT clinic, Respiratory Division, Tel Aviv, ISRAEL  
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#### HHT NORTHERN ITALY

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Patient Support Group: Fondazione Italiana HHT  
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Tel/Fax: 39-080-5478708  
[www.hht-italia.com](http://www.hht-italia.com)  
Patient Support Group: [www.hhtonlus.com](http://www.hhtonlus.com)

### JAPAN

#### HHT CENTER JAPAN

Akita University School of Health Services  
Department of Physical Therapy  
1-1-1 Hondo, Akita, 010-8543 JAPAN  
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### NORWAY

#### HHT CENTER NORWAY

Rikshospitalet University Hospital, Oslo, NORWAY  
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Tel: 47-2307-5593 / Fax: 47-2307-5590

# HHT ORGANIZATIONS

## HHT centers

### SPAIN

#### HHT CENTER SPAIN

Hospital Sierrallana (Servicio Cantabro de Salud)  
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39300 Torrelavega (Cantabria) SPAIN  
Contact: Dr. Roberto Zarrabeitia  
Contact: Dr. Perez del Molino  
Tel: 34-942-847400 (8053) / Fax: 34-942-847501  
Patient Support Group: [www.asociacionhht.org](http://www.asociacionhht.org) or  
[renduosler@asociacion-hht.org](mailto:renduosler@asociacion-hht.org)

### THE NETHERLANDS

#### HHT THE NETHERLANDS

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Contact: Dr. Hans Jurgen Mager  
Appointments: Mrs. Elly Vermorken  
31-30-609-2428  
[www.renduoslerweber.nl](http://www.renduoslerweber.nl)

### UNITED KINGDOM

#### HHT LONDON

Hammersmith Hospital. DuCane Road. London,  
ENGLAND W12 0NN  
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Contact: Dr. James Jackson (Secretary Pamela  
Brayshay)  
Tel: 44-208-383-3485  
Patient Support Group (TSHG):  
[www.telangiectasia.co.uk](http://www.telangiectasia.co.uk)  
Contact: Diana Lawson  
39 Sunny Croft Downley  
High Wycombe, Bucks ENGLAND HP13 5UQ  
**HHT HULL - NORTHEAST ENGLAND**  
Hull Royal Infirmary. Anlaby Rd.  
Hull, ENGLAND HU3 2JZ  
Contact: Mrs. Hilary Finnis and Dr. Graham Robinson  
Tel: 44(0) 1482-674608 [www.hey.nhs.uk/hht](http://www.hey.nhs.uk/hht)  
Patient Support Group (TSHG):  
[www.telangiectasia.co.uk](http://www.telangiectasia.co.uk)

### UNITED STATES

#### JOHNS HOPKINS HHT CENTER

Radiology and Radiological Science  
600 North Wolfe Street / Blalock 544  
Baltimore, MD 21287-4010, USA  
Contact: Courtney Myles-Ross to schedule an  
appointment  
Tel: 410-550-LUNG (5864)  
Dr. Christian Merlo, Co-Director  
Dr. Sally Mitchell, Co-Director

#### MAYO CLINIC HHT CENTER

Division of Pulmonary & Critical Care Medicine. 200  
First Street S.W.  
Rochester, MN 55905, USA  
Contact: Dr. Karen Swanson; Dr. Michael J. Krowka  
Tel: 507-266-0416 / Fax: 507-266-4372  
[www.mayo.edu](http://www.mayo.edu)

#### MEDICAL COLLEGE OF GEORGIA HHT CENTER

Division of Pulmonary Medicine. 1120 15th St. BBR  
5513, Augusta, GA 30912-3135, USA  
Contact: Janie Sims, RN for Dr. James Gossage  
Tel: 706-721-0470 / Fax: 706-721-2568  
Email: [jansims@mail.mcg.edu](mailto:jansims@mail.mcg.edu)  
<http://www.mcg.edu/som/medicine/Pulmonary/pvd/hht/>

#### OREGON HEALTH & SCIENCE UNIVERSITY HHT CENTER

OHSU L-605. 3181 S.W. Sam Jackson Park Rd.  
Portland, OR 97239-3011, USA  
Contact: Dr. Mark Chesnutt  
Tel: 888-222-6478 ext 7660 or 503-494-7660  
Fax: 503-494-7664  
<http://www.ohsu.edu/hht>

#### UNIVERSITY OF CALIFORNIA at LOS ANGELES HHT CENTER

UCLA Radiology Consultation Center  
100 Medical Plaza, Suite 100  
Los Angeles, CA 90095, USA  
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Administrative Assistant, Barbara Quinn, Nurse  
Practitioner / Coordinator  
Tel: 310-481-7543 / [www.hht.ucla.edu](http://www.hht.ucla.edu)  
Dr. Justin McWilliams, Co-Director  
Dr. Gary Duckwiler, Co-Director

#### UNIVERSITY OF CALIFORNIA at SAN DIEGO HHT CENTER

UCSD Medical Center. 200 West Arbor Dr. 8756. San  
Diego, CA 92103, USA  
Contact: Julie Fisher, HHT Clinic Coordinator for Dr.  
Thomas Kinney  
Tel: 619-543-7965 619-543-5670  
[www.ucsd.edu](http://www.ucsd.edu)  
<http://health.ucsd.edu/specialties/radiology/ir/HHT>

#### UNIVERSITY OF PENNSYLVANIA

Division of Medical Genetic. 3400 Spruce Street,  
1115 Penn Tower  
Philadelphia, PA 19104-4283, USA  
Contact: Dr. Reed Pyeritz; Dr. Scott Trerotola  
Clinic Coordinator: Rachel Kline  
Tel: 215-662-4740 / Fax: 215-614-0298  
[www.uphs.upenn.edu/penngen](http://www.uphs.upenn.edu/penngen)

#### UNIVERSITY OF TEXAS - SOUTHWESTERN

University of Texas Southwestern Medical School  
5303 Harry Hines Boulevard  
Dallas, TX 75390, USA  
Contact: DeShara Hall  
Tel: 214-645-2800  
[www.utsouthwestern.edu/patientcare/medicalservices/hlv/vascular/hht.html](http://www.utsouthwestern.edu/patientcare/medicalservices/hlv/vascular/hht.html)  
Daniel Goodenberger, Director  
UTSW Guest and Patient Services: 214-645-2393 to  
obtain hotel and amenity arrangements (i.e.,  
wheelchairs, escorts, and other concierge services)

#### UNIVERSITY OF UTAH MEDICAL CENTER

50 North Medical Drive  
HHT Clinic/1A71 SOM  
Salt Lake City, UT 84132  
Contact: Amy Hansgen, Administrative Coordinator  
Email: [Amy.Hansgen@hsc.utah.edu](mailto:Amy.Hansgen@hsc.utah.edu)  
Jamie McDonald, MS, LGC, Co-Director  
Kevin Whitehead M.D., Co-Director  
Tel: 801-581-8188 or tollfree 866-292- 4HHT  
Fax: 801-581-2414  
<http://healthcare.utah.edu/hht/>

#### WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

660 South Euclid Avenue  
St. Louis, MO 63110-1093, USA  
<http://hht.im.wustl.edu>  
Contact: Dr. Murali Chakinala (Adults)  
Tel: 877-888-5864 or 314-454-8917  
Contact: Dr. Andy White (Pediatrics)  
Tel: 1-888-503-2237  
Contact: Dr. Jay Piccirillo (ENT)  
Tel: 314-362-8641

#### YALE UNIVERSITY SCHOOL OF MEDICINE

Department of Diagnostic Radiology, P.O. Box  
208042  
333 Cedar St., Room 5039 LMP  
New Haven, CT 06520, USA  
Contact: Kate Henderson, Co-Director, Dr. Bob  
White, Co-Director  
Tel: 203-737-5395 / Fax: 203-737-5394  
<http://www.hhtavm.org>

# HHT ORGANIZATIONS

## International patient support groups

### **DENMARK**

<http://www.osler.dk>

Coordinator: Dorthe Therkild Petersen

Webmaster: Erik Mohr

### **FRANCE**

<http://www.amro-france.org>

Dominique Cortadellas, Patient Education Liaison

Email: [amrofrance@aliceadsl.fr](mailto:amrofrance@aliceadsl.fr)

### **GERMANY**

Morbus-Osler-Selbsthilfe at

<http://www.morbus-osler.de>

### **IRELAND**

Grace Nolan Foundation

at [www.Gracenolan.com](http://www.Gracenolan.com)

### **ISRAEL**

The HHT Patient Association in Memory of B. Getz

President: Meira Heiman

Tel: 972-050-6-417 187

Email: [hht-issg@yahoo.com](mailto:hht-issg@yahoo.com),

[heimann@netvision.net.il](mailto:heimann@netvision.net.il)

### **ITALY**

Fondazione Italiana HHT, email:

[informazioni@hht.it](mailto:informazioni@hht.it).

<http://www.hht.it>

HHT Onlus-Associazione Italiana at

[www.hhtonlus.com](http://www.hhtonlus.com)

### **SPAIN & PORTUGAL**

Patient Support Group

[www.asociacionhht.org](http://www.asociacionhht.org) or [renduosler@asociacion-](mailto:renduosler@asociacion-hht.org)

[hht.org](http://www.asociacion-hht.org)

### **SWEDEN**

<http://www.osler.se>

### **UNITED KINGDOM**

Coordinator: Diana Lawson

39 Sunny Croft Downley

High Wycombe Buck, ENGLAND HP13 5UQ

Web Monitor: Matt Fletcher

[info@telangiectasia.co.uk](mailto:info@telangiectasia.co.uk)

Telangiectasia Self-Help Group at

[www.telangiectasia.co.uk](http://www.telangiectasia.co.uk)

### **UNITED STATES**

<http://hht.org>



# HHT ORGANIZATIONS

## Global research and medical advisory board

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**January 2010**

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#### **Hans-Jurgen Mager, M.D., Ph.D.**

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# HHT ORGANIZATIONS

## Global research and medical advisory board

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Fax: 919-681-9193  
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Scheduler's Email: shirley.williams@duke.edu

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### **Suk Paul Oh, Ph.D.**

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Lab Phone: 352-273-8247  
Fax: 352-273-8300  
E-Mail: ohp@phys.med.ufl.edu

### **Henri Plauchu, M.D., Ph.D.**

(Medical Genetics)

Service De Genetique  
Hotel Dieu  
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FRANCE  
Office Phone: 011-33-4-72-413295  
Fax: 011-333-4-72-413146  
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### **Reed E. Pyeritz, M.D., Ph.D.**

(Medical Genetics)

Professor of Medicine & Genetics, Maloney 538  
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E-Mail: reed.pyeritz@uphs.upenn.edu

### **Douglas Ross, M.D.**

(Otolaryngology)

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### **Carlo Sabba, M.D.**

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