

3rd September, MONDAY

08.00-09.00	Registration	09.00-16.00	Reception Desk
09.00-10.30	OPENING SESSION Chairpersons: Dorota Myszkowska, Krystyna Obtulowicz, Siegfried Jäger		Aula
09.20-09.50	European Network, new challenges. Jäger S.		
09.50-10.10	HIALINE project: allergen release from pollen across Europe. Galan C.		
10.10-10.30	Land use change and climatic change versus pollen behavior. Rogers C.		
10.30-11.00	Coffee break		
	Aula	Seminar room	
11.00-12.30	GM GENERAL MONITORING Chairpersons: Auli Rantio-Lehtimäki, Paloma Cariñanos	MF_I MODELING FORECASTING Chairpersons: Carsten Skjøth, Bernard Clot	
11.00-11.30	GM.KN: How do plants keep track of the seasons of the year? Frenguelli G.	MF_I.KN: Modeling and Forecasting: Methods in Aerobiology. Smith M.	
11.30-11.45	GM.1 Short-term effects of exposure to birch, grasses and ragweed pollen on clinical symptoms of pollinosis in a panel study of 200 patients in France. Thibaudon M., Clot B., Martin S. et al.	MF_I.1 Empirical investigation of pollen dispersal characteristics using an isolated source. Michel D., Gehrig R., Rotach M.W. et al.	
11.45-12.00	GM.2 Relationship between weather conditions and release of airborne allergen pollen and spores in Haifa (Israel). Helfman I., Waisel Y., Kutiel H.	MF_I.2 The Danish operational pollen forecasting system. Rasmussen A., Baklanov A., Korsholm U. et al.	
12.00-12.15	GM.3 POLLnet, the aerobiological network of the Italian Environment Protection Agencies. Bucher E.	MF_I.3 <i>Platanus</i> pollen season in Andalusia (southern Spain): trends and modeling. Alcázar P., García-Mozo H., del Trigo M. et al.	
12.15-12.30	GM.4 Daily and hourly comparisons of airborne pollen concentration among 8 stations in central and southwestern Spain. Maya Manzano J.M., Fernández-Rodríguez S., Vaquero del Pino C. et al.		
12.30-13.30	Lunch		
	Aula	Seminar room	
13.30-15.00	MM MONITORING – METHODOLOGY Chairpersons: Elena Severova, Rui Brandao	MF_II MODELING FORECASTING Chairpersons: Idalia Kasprzyk, Mikhail Sofiev	
13.30-13.45	MM.1 Evaluation of recovery programs in endangered <i>Artemisia</i> species using pollen records as an indicator. Cariñanos P., Díaz de la Guardia C., Algarra J.A. et al.	MF_II.5 Optimizing temperature sum models for operationally forecasting the start of flowering. Pauling A., Clot B.	
13.45-14.00	MM.2 Comparison of three different analysing methods of Hirst slides. Pessi A-M., Kurkilahti M.	MF_II.6 Predicting the start of the birch and oak pollen seasons in Poznań, Poland using thermal time models. Grewling Ł., Jackowiak B., Nowak M. et al.	
14.00-14.15	MM.3 Bi-colour staining in aerobiology: identification of pollen and evaluation of physiological state. Meinardus-Hager G.	MF_II.7 The numerical pollen dispersion model COSMO-ART: model design and operational use at MeteoSwiss. Pauling A., Vogel H., Vogel B. et al.	
14.15-14.30	MM.4 Computer aided analysis and assessment of pollen. Hildebrand L., Meinardus-Hager G.	MF_II.8 Pollen emission in the numerical weather pollen prediction system COSMO-ART. Zink K., Pauling A., Rotach M.W. et al.	
14.30-14.45	MM.5 Comparison of two portable samplers for airborne viable fungi. Fernandez-Rodriguez S., Tormo Molina R., Maya Manzano J. et al.	MF_II.9 A method to assess the representativeness of pollen measuring stations. Gehrig R.	
15.00-16.00	POSTER SESSIONS (Halls) P_GM GENERAL MONITORING P_RM REGIONAL MONITORING P_PH PHENOLOGY P_AA AEROAGRICULTURE	EAS EC meeting	

16.45 – Collegium Novum UJ, Aula, 1st floor, Gołębia Street 24

17:00-18:00

WELCOME CEREMONY

Collegium Novum UJ

18:00-21:00

**WELCOME RECEPTION
MUSEUM COLLEGIUM MAIUS**

Collegium Maius UJ

POSTER SESSIONS 15.00-16.00 Halls 1st, 2nd floor by posters

P_GM GENERAL MONITORING

Chairpersons: Anna Maria Pessi, Barbara Stjepanovic

P_GM.1 The Italian Monitoring Network in Aerobiology (R.I.M.A.®) is the network of Italian Aerobiology Association (A.I.A.) Rete Italiana di Monitoraggio in Aerobiologia, Associazione Italiana di Aerobiologia

P_GM.2 Temporal and spatial distribution of Poaceae pollen in areas of southern United Kingdom, Spain and Portugal. Fernandez-Rodríguez S., Adams-Groom B., Tormo Molina R., Silva Palacios I., Brandao R., Caeiro E., Gonzalo Garijo Á., Smith M.

P_GM.3 Analysis of airborne pollen grains appearing at low concentrations in Badajoz (SW Spain). Silva Palacios I., Fernandez-Rodríguez S., Maya Manzano M., Gonzalo Garijo Á., Tormo Molina R.

P_GM.4 The distribution of *Iva xanthiifolia* Nutt. and its pollen concentration in the air of the Lublin city area (Poland). Wrzesień M., Weryszko-Chmielewska E., Denisow B., Piotrowska K., Rysiak A.

P_GM.5 The relationship between the cloudiness at different altitudes and basic pollen season parameters for Poaceae, *Betula* sp. and *Artemisia* sp. in Poznań. Bogawski P., Grewling Ł., Nowak M., Szymańska A., Kostecki Ł., Jackowiak B.

P_GM.6 Analysis of hourly peaks in pollen concentration with height and space. Fernandez-Rodríguez S., Maya Manzano J., Silva Palacios I., Gonzalo Garijo Á., Tormo Molina R.

P_GM.7 Airborne pollen along an elevation gradient. Charalampopoulos A., Damialis A., Leontidou K., Symeonidou A., Halley J., Vokou D.

P_GM.8 Meteorological factors in relation to fluctuations in the concentration of *Alnus* pollen in the air of Lublin. Piotrowska K.

P_GM.9 Aerial pollen spectra in different city building patterns: seasonal dynamics and implications for allergology. Obstová B.

P_GM.10 Biometeorological and autoregressive indices for predicting olive pollen intensity. Oteros J., García-Mozo H., Hervás C., Galán C.

P_RM REGIONAL MONITORING

Chairpersons: Javier Rodríguez-Rajo, Jane Sommer

P_RM.1 Aerobiology in North-Africa: first results from the city of Ceuta (Spain). Cariñanos P., del Corral I.

P_RM.2 Inter-seasonal fluctuation of pollen productivity in Ryazan city (Central Russia). Posevina Y., Severova E.

P_RM.3 Analysis of airborne ragweed and birch pollen grains in Zagreb, Croatia 2009-2010. Stjepanovic B., Hrga I., Mitic B., Puntaric D.

P_RM.4 Airborne pollen load in Lithuania: pollen spectrum and allergenicity. Veriankaite L., Sauliene I.

P_RM.5 Poaceae as a keynote member of the airborne pollen spectrum of Ukraine. Rodinkova V., Palamarchuk O.

P_RM.6 Comparison of the two yearly pollen data for the Bursa, Turkey. Celenk S., Bayram E., Malyer H., Bıçakçı A., Sapan N., Cantez Y.

P_RM.7 Aeroallergen flora of Tavsanli (Kutahya), Turkey. Celenk S., Karasu A., Bıçakçı A.

P_RM.8 Identification of potential sources of airborne *Olea* pollen in the southwest Iberian Peninsula. Fernández-Rodríguez S., Skjøth C., Tormo Molina R., Brandao R., Caeiro E., Silva-Palacios I., Gonzalo-Garijo Á., Smith M.

P_RM.9 Two decades of airborne pollen monitoring in Gdańsk, N. Poland. Latałowa M., Uruska A., Zimny M., Pędziszewska A., Święta-Musznicka J.

P_RM.10 The pollen season parameters in Parma, Italy, 1994 – 2011. Ugolotti M., Usberti I., Albertini R.

P_RM.11 Poaceae pollen in Rome. Serra M.C., Brighetti M.A., Greco F., Froio F., Travaglini A.

P_RM.12 The dynamics of the *Quercus* L. pollen season and risk of pollen allergy in central-eastern Poland. Weryszko – Chmielewska E., Sadowska D., Haratym W.

P_RM.13 Aeropalinological investigation in Sofia (1967 – 2011). Yankova R., Zlatev V.

P_PH PHENOLOGY

Chairpersons: Pura Alcázar, Cevcan Selenk

- P_PH.1** Relation between phenological date and atmospheric pollen concentration of Ericaceae. Fuertes Rodriguez C-R.
- P_PH.2** Phenology of flowering and threat of allergenic airborne pollen of herbaceous plants in Szczecin and Gudowo (Western Pomerania, Poland). Kruczek A.
- P_PH.3** *Alnus x spaethii* a hybrid species which can cause allergies already at Christmas. Gehrig R., Gassner M., Pietragalla B., Clot B.
- P_PH.4** Models for forecasting olive tree flowering time in central Spain. Rojo J., Bouso V., Rodríguez-Torres A., Sardinero S., Perez Badia R.
- P_PH.5** Relationship between floral phenology and *Plantago lanceolata* pollen concentration in the atmosphere. Gonzalez-Parrado Z., Valencia Barrera R. N., Vega-Maray A., Fuertes Rodriguez C-R., Fernandez-Gonzalez D.
- P_PH.6** Use of phenological maps to forecast airborne pollen concentration. Travaglini A., Greco F., Brighetti M.A., Serra M.C.
- P_PH.7** The patterns of *Alnus* and *Corylus* pollen seasons and pollination periods in two Polish cities located in different climatic regions. Puc M., Kasprzyk I.

P_AA AEROAGRICULTURE

Chairpersons: Dilantha Fernando, Roy Kennedy

- P_AA.1** Are agricultural areas the main source of *Alternaria* fungal spores in the atmosphere? Skjøth C. A., Sommer J., Gosewinkel Karlson U.G.
- P_AA.2** The phytocoenoses on antropogenically transformed areas as a potential source of pollen allergens. Wrzesień M., Denisow B.
- P_AA.3** Evaluation of intensity and distance of oilseed rape pollen transfer in Great Poland in 2011. Popławska W., Liersch A., Jędryczka M., Kaczmarek J., Wolko J., Ogródowczyk M., Bartkowiak-Broda I.
- P_AA.4** Development of multiplex assays to quantify spore release of major agricultural pathogens. Gorniak K., Havis N., Taylor J.
- P_AA.5** Some monofloral honeys from the Sandomierz Upland. Stawiarz E., Wróblewska A.
- P_AA.6** Identification and quantification of *Fusarium* species in air samples. Kaczmarek J., Irzykowski W., Kasprzyk I., Brachaczek A., Jędryczka M.

WELCOME CEREMONY

Included in the FULL and BASIC payment

In the main building of the University, named Collegium Novum, the meeting with the university and municipality authorities, and other guests will take place. It will be the opportunity to listen to the history of our Alma Mater, one of the oldest universities in Europe. After the Welcome Ceremony, the Welcome Reception will be held at Collegium Maius close to Collegium Novum and the participants will have possibility to visit the Jagiellonian University Museum.

17.00-18.00

Welcome Ceremony

Collegium Novum, Gołębia 24
Symposium photo

18.00-21.00

Welcome Reception

Collegium Maius
(Museum visit)

Collegium Maius, Jagiellońska 15

Smart, but casual clothes

4th September, TUESDAY			
08.00-14.30		Reception Desk	
Aula		Seminar Room	
09.00-10.30	AA AERO-AGRICULTURE Chairpersons: Carmen Galan, Małgorzata Jędryczka	09.00-10.30	ME MELISSOPALYNOLOGY Chairpersons: Jordina Belmonte, Edith Bucher
09.00-09.25	AA.KN: Aerobiology and air sampling in plant pathology. West J.	09.00-09.30	ME.KN: Pollen spectrum of honeys and bee bread. Wróblewska A.
09.25-09.45	AA.KN: Molecular and traditional tools in tracking spores, genes, and toxins that cause economic loss in crops. Fernando D.		ME.1 Some monofloral honeys from the Sandomierz Upland. Stawiarz E., Wróblewska A.
09.45-10.00	AA.1 Aerobiology and phenology as a tool to predict Treixadura grapevine harvest. Rodriguez-Rajo F.J., Fernández-González M., Suárez M. et al.	09.30-10.00	ME.KN: Honey - biological and pro-health activity and its allergic potential. Basista K.
10.00-10.15	AA.2 A reliable method for monitoring of pollen flow in triticale (x <i>Triticosecale</i> Wittmack). Zimny J., Otręba P., Kozdój J. et al.	10.00-10.15	ME.2 The use of pollen analysis for assuring the quality of lime tree honey produced on the Fruska Gora Mountain. Sikoparija B., Radisic P.
10.15-10.30	AA.3 Advancing our understanding of the epidemiology of the barley pathogens <i>Rhynchosporium commune</i> and <i>Ramularia collo-cygni</i> . Havis N., Burnett F., Hughes G. et al.	10.15-10.30	ME.3 Characterization and assessment of some Indian honey quality in relation to floristic composition and physicochemical parameters. Chakraborti T., Bhattacharya K.
10.30-11.00	Coffee break		
Aula		Seminar room	
11.00-12.30	FSP FUNGAL SPORES - PATHOGENS Chairpersons: Agnieszka Grinn-Gofroń, Jon West	11.00-12.30	PH_I PHENOLOGY Chairpersons: Elżbieta Weryszko-Chmielewska, Giuseppe Frenguelli
11.00-11.25	FSP.KN: Development of molecular markers for detection of biotypes of the oomycete crop pathogen <i>Hyaloperonospora parasitica</i> within glasshouse production systems. Kennedy R.	11.00-11.30	PH_I.KN: Climate Change on Plant Distribution and Phenology in the Iberian Peninsula. Galan C.
11.25-11.45	FSP.KN: System for Forecasting Disease Epidemics (SPEC) – decision support system in Polish agriculture, based on aerobiology. Jędryczka M.	11.30-11.45	PH_I.1 Flowering of common hazel in the Czech Republic in dependence on meteorological conditions. Hájkova L., Kožnarová V., Sulovská S.
11.45-12.00	FSP.1 Culturable airborne fungi in fruit and vegetable markets of Delhi and National Capital Region, India. Vermani M., Bedi N., Hussain M.	11.45-12.00	PH_I.2 <i>Corylus avellana</i> flowering in the period 2006-2011 according to thermal conditions analogies. Jabłońska K.
12.00-12.15	FSP.2 Studies on prevalent fungal aerospora; a probable risk factor of respiratory allergy related hospitalization. Chakrabarti H.S., Gupta-Bhattacharya S.	12.00-12.15	PH_I.3 Variations in the spatial relations of the bloom time of hazel (<i>Corylus avellana</i> L.) in Poland and Germany. Stach A., Bąba J., Kasprzyk I. et al.
12.15-12.30	FSP.3 Aeromycological and immunoproteomic analysis of major aeroallergens from <i>Rhizopus stolonifer</i> (Ehrenb.) Vuill. Sircar G., Pandey N., Gupta Bhattacharya S.	12.15-12.30	PH_I.4 Spatial variations in <i>Betula pendula</i> and <i>Quercus robur</i> flowering phases in relation to airborne pollen concentrations in Poznań (Poland). Grewling Ł., Jackowiak B., Smith M.
12.30-13.15	Lunch		
Aula		Seminar Room	
13.15-14.35	FS FUNGAL SPORES - MONITORING Chairpersons: Danuta Stępańska, Mike Muilenberg	13.15-14.35	PH_II PHENOLOGY Chairpersons: Idalia Kasprzyk, Paloma Carinanos
13.15-13.35	FS.KN: Collecting and identifying airborne fungal spores: A review of new technologies vs. traditional approaches. Muilenberg M.	13.15-13.35	PH_II.5 Pollination of perennial grasses: <i>Hyparrhenia hirta</i> , <i>Dactylis glomerata</i> and <i>Sorghum halepense</i> . Tormo Molina R., Maya Manzano J., Fernández-Rodríguez S. et al.

13.35-13.50	FS.1 The comparison of <i>Ganoderma</i> spore occurrence in two different periods (1997-1999, 2008-2010) in Cracow, Poland. Stępańska D., Wołek J., Piotrowicz K.	13.35-13.50	PH_II.6 Altitudinal gradient and trends in floral phenology of olive tree (<i>Olea europaea</i> L.). Rojo J., Rapp A., Fernández-González F. et al.
13.50-14.05	FS.2 Atmospheric concentrations of <i>Alternaria</i> , <i>Cladosporium</i> , <i>Ganoderma</i> and <i>Didymella</i> spores at Cork (Ireland) and Worcester (United Kingdom) in 2010. Sadyś M., O'Connor D., Healy D. et al.	13.50-14.05	PH_II.7 Airborne <i>Pinus</i> pollen in Spain: pollination patterns and trends of the annual indexes and the peak dates. Belmonte J., De Linares C., Fernández-Llamazares I. et al.
14.05-14.20	FS.3 Advanced statistical approach to modelling airborne fungal spore concentrations. Strzelczak A., Grinn-Gofroń A.	14.05-14.20	PH_II.8 Time-series analysis of pollen seasons in Rzeszów (SE Poland) in 1997-2005 with reference to phenology. Kasprzyk I.
14.20-14.35	FS.4 Seasonal and diurnal variations of <i>Didymella</i> spores in the air of Worcester (United Kingdom) (2005-2007). Sadyś M., Adams-Groom B., Kennedy R. et al.	14.20-14.35	PH_II.9 Forecasting olive flowering intensity based on year clustering. Oteros Moreno J.A., García-Mozo H., Hervás Martínez C. et al.

For excursion participants: meeting in the front of the Conference Centre according to the schedule

15:00-20:00	Optional Krakow tours: <i>Included in the FULL payment and for Accompanying persons</i> Royal Route and Royal Castle on the Wawel Hill Jewish Heritage Route
-------------	--

ROYAL CASTLE, WAWEL HILL

The visit in the Royal Castle on the Wawel Hill will be the wonderful occasion to meet the evidences of the first settlement dated back to the 11th century and stories about a brave King the Krak, the dragon of the Wawel Castle among others. The participants could see the permanent exhibition in the Royal Apartments and Wawel Cathedral.

14.30

Transport to the Wawel Castle

15.00-17.00

Guided visit around the permanent exhibition in the Wawel Castle

17.00-18.00

Walking tour around the castle courtyard, descent to the Dragon's Cave and the meeting with a statue of the dragon spouting fire.

About 18.30 – dinner at the Marmolada Restaurant

Casual clothes, comfortable shoes

JEWISH HERITAGE ROUTE

The old Jewish town of Kazimierz is worth visiting because of the restored places associated with the history of the Jewish community in Krakow. The tourist guides will show you the synagogues, Jewish cemetery and other places indicating the Jewish activity now and at the then time.

15.00

Walking or a ride by tram depending on weather conditions to the Kazimierz District

15.30-18.00

Walking tour through the Jewish District Kazimierz with a guide, visiting synagogues, Jewish cemetery

18.30

Dinner at the Klezmer-Hois Restaurant

Casual clothes, comfortable shoes

5th September, WEDNESDAY
Medical-Palynological Conference on POLLEN ALLERGY
Under auspices of the Polish Society of Allergology

08.00-15.30		Reception Desk	
Aula		Seminar Room	
09.00-09.20	OPENING CEREMONY Krystyna Obtulowicz	09.00-09.20	Rapid detection of allergen challenge in practical allergology. Meinardus-Hager G.
09.20-10.30	PLENARY SESSION Chairpersons: Barbara Rogala, Siegfried Jäger	09.20-10.30	Workshop. Bi-colour staining of pollen as a tool for automated identification. A.e.r.o. medi Image Analysis Exhibition and presentation <i>Free for all participants</i>
09.20-09.40	Towards a molecular vision of allergology: the contribution of allergen count. Cecchi L.		
09.40-10.00	Pollen allergens – latest news. Bergmann K. Ch.		
10.00-10.30	Towards integrated biological and chemical air quality forecasting and assessment in Europe. Sofiev M.		
10.30-11.00		Coffee break	
Aula		Seminar room	
11.00-12.30	PATHOMECHANISM and CLINICAL PICTURES of POLLEN ALLERGY Chairpersons: Ryszard Kurzawa, Karl-Christian Bergmann	11.00-12.30	ALLERGEN EXPOSURE and DIAGNOSTICS Chairpersons: Grzegorz Porębski, Letty A. de Weger
11.00-11.20	Molecular pathomechanisms of pollen allergy. Kurowski M.	11.00-11.15	Assessing human exposure to grass pollen in Denmark. Peel R., Hertel O., Herbert R. et al.
11.20-11.40	Otolaryngological problems during the pollen season. Buczyńko K.	11.15-11.30	Pollen allergy diagnostics value of skin prick tests and aslgE serum level. Chmielewska A., Sacha M., Dąbal E. et al.
11.40-12.00	Pollen allergy and airborne dermatitis. Czarnecka-Operacz M.	11.30-11.45	Nasal nitric oxide measurements in patients with seasonal allergic rhinitis. Bożek A., Jarzab J.
12.00-12.15	Associations between pollen and other allergies, cross-reactions, in patients with pollinosis in the West Region of Ukraine. Chopyak V., Lishchuk-Yakymovych K.	11.45-12.00	Urban PM2.5 impact on human bronchial epithelium. Włodarczyk A., BeruBe K., Undas A.
12.15-12.30	Allergic air-borne contact dermatitis to one and a half-terpenolactons of pollen grains. Antoszczyk G., Obtulowicz A., Obtulowicz K.	12.00-12.15	Five day ahead hay fever forecast for grass pollen allergic patients in the Netherlands. De Weger L., Beerthuizen T., Hiemstra P.S. et al.
12.30-13.20		Lunch	
Aula		Seminar Room	
13.20-15.30	POLLEN ALLERGY TREATMENT WITH REGARD TO POLLEN MONITORING Chairpersons: Heidrun Behrendt, Radosław Gawlik, Carmi Geller-Bernstein, Hans J. Malling, Barbara Rogala, Krzysztof Sładek, Michel Thibaudon	13.20-15.30	FUNGAL SPORE WORKSHOP M. Muilenberg D. Stępańska A. Grinn-Gofroń A. Sulborska
13.20-13.35	Pharmacological prevention and emergency medical care in pollen allergy treatment. Kuna P.	13.20-15.30	Presentation on different problems with fungal spores identification. Muilenberg M.
13.35-13.55	Pollen monitoring in pollen allergy diagnostics and treatment. Rybnicek O.		
13.55-14.30	Pollen monitoring in pollen allergy diagnostics and treatment Thibaudon M., Gilles O. Information systems for patients. Rapiejko P., Lipiec A		
14.30-14.45	DISCUSSION IN THE EXPERT CIRCLE Introduction: The importance of the co-operation between palynologists and allergologists to improve the allergological practice. Geller-Bernstein C.	14.30-14.45	Identification of unknown fungal spores in participants' slides.

14.45-15.00	Statistical study of the health impact related to allergenic pollens. Thibaudon M., Gilles O., Charlotte S.	Comments and questions <i>Programme for limited group of registered participants</i>
15.00-15.15	WWW.ALLERGIERADAR.NL: a public website for the collection of year-round hay fever symptoms. De Weger L., Op den Buysch E., van Vliet A.	
15.15-15.30	Summary of discussion	
15.30-16.00	Coffee break	
16.00-17.30	SPECIFIC IMMUNOTHERAPY - NEWS Chairpersons: Barbara Rogala, Hans Jørgen Malling, Marek Jutel	16.00-17.00 POSTER SESSIONS P_H HEALTH IMPACT P_ES ENVIRONMENTAL STUDIES P_AM ALLERGEN MONITORING/CLIMATE CHANGE P_FS FUNGAL SPORES P_FM FOSSIL AND MODERN POLLEN RAIN
16.00-16.20	Allergen-specific immunotherapy in pollen allergy. Malling H.J.	
16.20-16.40	Pathomechanism of the specific immunotherapy. Jutel M.	
16.40-17.00	Monitoring of allergen - specific immunotherapy. Rogala B.	
17.00-17.15	Cross-sectional, retrospective study on health impact by specific immunotherapy to aeroallergens in children. Cichocka-Jarosz E., Szczerbiński T., Jedynak-Wąsowicz U. et al.	
17.15-17.30	SIT_optimisation system. Myszkowska D., Stobiecki M., Dyga W.	
18.00-21.00	Ceremonial dinner for Medical Conference invited speakers and participants	
18.00-19.00	“Meeting with Alicja”	
16.00-17.00	POSTER SESSIONS Halls 1st, 2nd floor by posters	

P_H HEALTH IMPACT

Chairpersons: Barbara Majkowska-Wojciechowska, Khrystyna Lishchuk-Yakymovych

- P_H.1** Symptoms of the Swiss birch and grass pollen season 2011. Pietragalla-Köhler B., Gehrig R., Pauling A., Berger U., Clot B.
- P_H.2** The European project HIALINE (Health Impacts of Airborne Allergen Information Network): three years of monitoring *Betula* pollen and allergens in Parma (Italy). Albertini R., Ugolotti M., HIALINE Team.
- P_H.3** The evaluation of quality of life in children with asthma after rehabilitation treatment in sanatorium. Stencel-Gabriel K.
- P_H.4** Nasal cytology as an useful tool for allergic and non-allergic rhinitis treatment. Myszkowska D., Stobiecki M., Dąbal E., Lorenc J., Czarnobilska E.
- P_H.5** The changes in the level of exhaled nitric oxide (FENO) in patients with atopic asthma. Jasiewicz-Honkisz B., Targosz K.
- P_H.6** Correlation between the airborne pollen count and symptoms of the patients in Vinnitsa, Ukraine. Gelman E., Rodinkova V., Stremedlovsky B., Kremenska L., Palamarchuk O., Bilous O., DuBusse L.

P_ES ENVIRONMENTAL STUDIES

Chairpersons: Elena Severova, Aneta Ekebon

- P_ES.1** Diurnal variation in pollutants and pollen levels based on three urban pollen stations in Aarhus Denmark during the period 2009-2011. Øerby P., Peel R., Skjørth C. A., Hertel O., Sommer J., Bønløkke J., Ellerman T., Sigsgaard T., Schlünssen V.
- P_ES.2** Respiratory allergic symptoms in adolescents increase with exposition to environmental vehicle pollutants. Czarnobilska E., Porębski G., Piotrowicz-Wójcik K., Woźniak M.
- P_ES.3** Identification of high-risk situations when pollen and air pollution contribute to antihistamine drug prescription. Dahl A., Grundström M., Pleijel H., Chen D.
- P_ES.4** Pollen diagnostics of toxicomutagenic background of urban industrial territories in the Precarpathian Region (Ukraine). Mullenka M., Parpan V.
- P_ES.5** Pollen concentration and weather parameters, air pollution in Szczecin, Poland (2004-2011). Puc M., Puc M. I., Wolski T.
- P_ES.6** Air quality index for PM_{2.5}, and its seasonal and daily variability in Wrocław. Drzeniecka-Osiadacz A., Krynicka J., Sikora S.

P_AM ALLERGEN MONITORING/CLIMATE CHANGE

Chairpersons: Branko Sikoparija, Jacek Madeja

P_AM.1 Relation between airborne *Platanus* pollen counts and Pla a 1 allergen levels in Central Spain. Rapp A., Vaquero C., Padilla S., Perez Badia R.

P_AM.2 Contribution to the quantification of Pla a 1 and *Platanus* pollen in the atmosphere. De Castro S., Fernandez Gonzalez D., Valencia Barrera R., Vega Maray A., Gonzales Parrado Z.

P_AM.3 *Fraxinus* airborne allergen quantification. Rodriguez-Rajo F.J., Vara A., Fernández-González M., Jato V., Suárez-Cervera M., Aira M.J.

P_CC.1 The effects of climate change on the pollen season in Denmark. Rasmussen A., Baklanov A., Sommer J.

P_CC.2 Pollen monitoring as indicator of climate change in Northern Sardinia, Italy. Canu A., Pellizzaro G., Arca B., Vargiu A.

P_CC.3 SILAM and HYSPLIT models to understand olive pollen dynamic in southern Spain. Hernandez-Ceballos M. A., Soares J., García-Mozo H., Sofiev M., Bolivar J. P., Galan C.

P_FS FUNGAL SPORES

Chairpersons: Agnieszka Strzelczak, Dilantha Fernando

P_FS.1 Long-term trends in airborne fungal-spore concentrations in Thessaloniki, Greece. Damialis A., Halley J., Vokou D.

P_FS.2 The occurrence of fungi aerosol in Kraków – Poland. Bisa H., Frączek K., Ropek D.

P_FS.3 A comparison of *Alternaria* spore concentrations in aeroplankton of Lublin, Poznań and Rzeszów in the period 2009-2011. Weryszko-Chmielewska E., Szymańska A., Kasprzyk I., Sulborska A., Nowak M., Jędryczka M.

P_FS.4 Diversity of fungal spores in Seville, Spain. Morales J., García-Barrón L., Pineda M., Sousa A.

P_FS.5 Statistics of fungal-spore concentrations: a comparison with pollen for Thessaloniki, Greece. Halley J.M., Damialis A., Vokou D.

P_FS.6 Concentrations of *Cladosporium* and *Alternaria* spores in the air of Białystok, Poland. Kiziewicz B., Gajo B., Zdrojkowska E., Kisieliński P., Rogoz N.

P_FM FOSSIL AND MODERN POLLEN RAIN

Chairpersons: Irena Agnieszka Pidek, Dorota Nalepka

P_FM.1 The structure of pollen grains in *Sida hermaphrodita* (L.) Rusby (Malvaceae). Chudzik B., Szczuka E., Chlebiej K., Giełwanowska I.

P_FM.2 The characteristics of pollen grains in *Poa annua* L. (Poaceae). Giełwanowska I., Kellmann-Sopyła W., Pasterczyk M., Szewczyk J., Chudzik B., Chlebiej K., Szczuka E.

P_FM.3 Pollen spectra from peat, pollen traps and vegetation composition from the Seda Mire, North Vidzeme Biosphere Reserve, Latvia. Ustupe L., Pujate A.

P_FM.4 Clinicoimmunologic studies of *Cassia occidentalis* pollen: an aeroallergen from West Bengal, India. Basak T., Bhattacharya K.

P_FM.5 The hitherto disregarded role of fern spores in aerobiological analysis in Poland. Zenkteler E., Weryszko-Chmielewska E.

P_FM.6 Pollen monitoring at Nizhneyazvenskoe Marsh Nature Reserve within European Pollen Monitoring Programme (EPMP) using Tauber pollen traps. Novoselova L., Novozhilova E.

P_FM.7 Pollen-climate relationships in broadleaved-coniferous forest zone (Central Russia). Nosova M., Volkova O., Severova E.

CEREMONIAL DINNER

for Medical Conference invited speakers and participants

About 18.00

Walking from the Conference Centre to the Main Market Square

18.30 – 21.00

Dinner at the "Hawelka" Restaurant

6th September, THURSDAY

08.00-13:30		Reception Desk	
Aula		Seminar Room	
09.00-10.30	IN INDOORS Chairpersons: Barbara Majkowska-Wojciechowska, Roberto Albertini	09.00-10.30	RMP RAGWEED and MUGWORT problem Chairpersons: Ingrida Šaulienė, Dorota Myszowska
09.00-9.30	IN.KN: Microbial fragments as hidden indoor contaminants. Górný R.	9.00-9.15	RMP.1 Spatial and temporal changes of exposure to airborne ragweed pollen, characterized by pollen indicators in Hungary, 1999-2011. Paldy A., Manyoki G., Magyar D. et al.
		9.15-9.30	RMP.2 20 year survey of <i>Ambrosia</i> allergy rates in Legnano (Italy) - what do the results mean for Ticino (Switzerland)? Pietragalla-Köhler B., Tosi A., Wüthrich B. et al.
09.30-9.45	IN.1 Dichloran glycerol agar (DG18) in indoor air mould sampling. Hakkila S.	9.30-9.45	RMP.3 Assessment of common ragweed (<i>Ambrosia artemisiifolia</i> L.) biometrical characteristics. Šaulienė I., Veriankaitė L., Šaulys A.
09.45-10.00	IN.2 Measurement of exposure to indoor molds - comprehensive approach combining quantitative and qualitative tools from long-term air sampling. Barral S., Bex V., Moularat S. et al.	9.45-10.00	RMP.4 The most abundant <i>Ambrosia</i> pollen count is associated with the southern, eastern and the northern-eastern Ukraine. Rodinkova V., Palamarchuk O., Kremenska L.
10.00-10.15	IN.3 Reducing harmful emissions indoors with the surface emissions trap (cTrap). Markowicz P.	10.00-10.15	RMP.5 Influence of meteorological parameters on <i>Artemisia</i> pollen concentration in Latvia in the period (2003-2011). Ritenberga O., Kalnina L., Gudovicha M.
10.15-10.30	IN.4 Contamination of the indoor environment with bacteria and fungi in Tertiary Health Care Centre. Rangaswamy B.E., Fernandes F., Prakash K.K.	10.15-10.30	RMP.6 Influence of meteorological parameters on <i>Artemisia</i> concentrations in Wrocław (Poland). Klaczak K., Malkiewicz M., Migala K. et al.
10.30-11.00	Coffee break		
Aula		Seminar Room	
11.00-12.00	AM ALLERGEN MONITORING Chairpersons: Jacek Madeja, Anna Maria Pessi	11.00-12.00	CC CLIMATE CHANGE Chairpersons: Regula Gehrig, Matt Smith
11.00-11.15	AM.1 Detection of pollen allergens in the air. Thibaudon M., Hrabina M., Huet A. et al.	11.00-11.30	CC.KN: The wind of change: effects of climate change on airborne pollen concentrations. Clot B.
11.15-11.30	AM.2 Airborne grass pollen and ambient Phl p 5 aeroallergen in Évora (South Portugal), 2009-2011. Antunes C., Lopes A., Moreira J. et al.		
11.30-11.45	AM.3 Characterization of major & minor allergens of three airborne <i>Aspergillus</i> species and heterogeneity of IgE response of allergic patients to them. Vermani M., Vijayan V.K., Agarwal M.K.	11.30-11.45	CC.1 Increasing long-term trends in airborne pollen concentrations: an underestimated trigger to allergy? Damialis A., Mezarli C., Venetiou E. et al.
11.45-12.00	AM.4 Ambient Ole e 1 aeroallergen and pollen counts of <i>Olea europaea</i> L. from 2009 until 2011 in Évora (South Portugal). Antunes C., Lopes A., Moreira J. et al.	11.45-12.00	CC.2 Do airborne pollen data from Catalonia (NE Spain) reflect the climate change effects on vegetation? Fernandez-Llamazares A., Belmonte J., Alarcón M. et al.
12.00-12.30	POSTER SESSIONS (Halls) P_IN INDOORS P_RMP RAGWEED and MUGWORT problem	12.00-12.15	CC.3 Birch pollen as an indicator of climate change. Rantio-Lehtimäki A.
		12.15-12.30	CC.4 Aerobiological data and biodiversity conservation: the missing link? Fernandez-Llamazares A., Belmonte J., De Linares C. et al.

12.30-13.30	<i>EAS General Assembly Seminar room</i>
12.30-14.30	<i>Lunch</i>
14.30	Departure from the parking near to the main entrance of Conference Centre
16.00-22.00	Wieliczka Salt Mine Tourist Tour and Gala Dinner

POSTER SESSIONS 12.00-12.30 Halls 1st, 2nd floor by posters

P_IN INDOORS

Chairpersons: Barbara Majkowska-Wojciechowska, Paloma Carinanos

P_IN.1 Airborne fungi in a grain warehouse. Magyar D., Kredics L., Körmöczy P., Halász Á.

P_IN.2 Microbial air monitoring in operating theatres at the University Hospital of Parma (Italy): an opportunity to debate sampling methods and threshold values. Pasquarella C., Vitali P., Sacconi E., Manotti P., Bocconi C., Ugolotti M., Signorelli C., Mariotti F., Sansebastiano G., Albertini R.

P_IN.3 Experience of application of aeropalynological data in studying dust in the closed rooms with natural air exchange. Shalaboda V., Dzmitryeva S.

IP_IN.4 Microbiological air quality in farming building in Southern Poland. Ropek D., Frączek K., Bis H.

P_IN.5 Integrated approach of biological and microclimate monitoring in cultural heritage environments for the preventive conservation of artworks and the protection of operators' health. Pasquarella C., Pasquariello G., Balocco C., Manotti P., Pietro L., Ugolotti M., Albertini R.

P_RMP RAGWEED and MUGWORT problem

Chairpersons: Aneta Sulborska, Victoria Rodinkova

P_RMP.1 Ragweed and mugwort pollen distribution: a comparison from different areas in Northern Italy. Bonini M., Cislighi G., Colombo P., Della Torre F., Molinari A., Vercelloni S., Pini A., Chiodini E., Berra D., Morandi P., Pozzi R., Bianchi T., Papponi L., Gibelli N., Biale C., Moscato G., Ugolotti M., Albertini R.

P_RMP.2 Southern Russia as a source of *Ambrosia* pollen. Severova E., Volkova O.

P_RMP.3 Types of mugwort (*Artemisia* L.) pollen season depending on the weather conditions in Wrocław (Poland) 2002-2011. Malkiewicz M., Klaczak K., Mięgała K., Drzeniecka-Osiadacz A., Krynicka J.

P_RMP.4 The long distance transport of ragweed pollen from Pannonian Plain to Scandinavia. Šikoparija B., Skøjlth C.A., Kübler K. A., Dahl A., Radišić P., Prentović M., Sommer J., Grewling Ł., Smith M.

P_RMP.5 *Ambrosia* pollen in Central and South-East Slovenia. Kofol Selinger A.

GALA DINNER

Included in the FULL and BASIC payment

The **highlight** of the social programme will be a visit in the Wieliczka Salt Mine. The Wieliczka Salt Mine has the status of a historic monument as the oldest mining (excavation) shaft, discovered in the middle of the 13th century. Now the original excavations registered in the UNESCO's World List of Cultural and Natural Heritage in 1978 are available for visitors as an archaeological mining reserve. The Gala Dinner in the Warszawa Chamber (**122,5 m under the ground level**) will take place. Amazing atmosphere of this place will be awaiting our guests. **Be ready for the unexpected!!!**

14.30 Departure from the Conference Centre

16.00-18.00 Guided tourist tour

18.00-22.00 Gala Dinner

Visit in the Underground Rehabilitation Centre for limited group of participants

About 22.45 Arrival to the Conference Centre

Tourist tour - air temperature 14^o-17^oC, isolation from adverse outside factors, absence of allergens and pollutants appearing on the surface of the earth

Rehabilitation Centre – about 30' walk from the Warszawa Chamber – a bit difficult conditions, temperature 10^oC

Smart, but casual clothes, comfortable shoes

7th September, FRIDAY			
08.00-13:30		Reception Desk	
Aula		Seminar Room	
09.00-10.30	ES_I ENVIRONMENTAL STUDIES Chairpersons: Christine Rogers, Stanisław Wicherek	09.00-10.30	RM REGIONAL MONITORING Chairpersons: Dorota Nalepka, Idalia Kasprzyk
09.00-09.30	ES_I.KN: Assessment of a spatio-temporal health relative risk between road traffic air pollution and childhood asthma in a representative central European city. Meline J.	09.00-09.15	RM.1 Pollen loading from southeast border of EU. Celenk S.
		09.15-09.30	RM.2 Variability of grass pollen concentration during the 9 year period (2003-2011). Kalnina L., Šauliene I., Ritenberga O.
09.30-09.45	ES_I.1 Ozone affects the viability, the germination rate and the allergenicity of <i>Acer negundo</i> , <i>Quercus robur</i> and <i>Platanus</i> spp. pollen. Sousa R., Duque L., Cruz A.P. et al.	09.30-9.45	RM.3 How can the weather conditions influence the grass pollen concentrations? A 20 year period of observations in Krakow, Poland. Myszkowska D., Piotrowicz K., Walanus A.
09.45-10.00	ES_I.2 Differential uptake kinetics of nitrogen dioxide on various pollen grains. Visez N., Gosselin S., Chassard G. et al.	09.45-10.00	RM.4 Pollen concentration of allergenic plant taxa at three different sampling sites of Southern and Central Poland - the evaluation of the 9-year period (2003-2011). Majkowska-Wojciechowska B., Balwierz Z., Chłopek K. et al.
10.00-10.15	ES_I.3 Air pollutants influence the NAD(P)H oxidases activity in cypress pollen. Tedeschini E., Ederli L., Timorato V. et al.	10.00-10.15	RM.5 Comparative study of airborne pollen counts located in different areas of the city of Córdoba (South-Western Spain). Velasco-Jiménez M.J., Alcázar-Teno P., Galán-Soldevilla C.
10.15-10.30	ES_I.4 Investigation on the air pollutants of biological origin and its impact on human health. Ghosal K., Gupta Bhattacharya S.	10.15-10.30	RM.6 A comparison between airborne <i>Betula</i> pollen counts in the northwest of Germany and the Netherlands (1982-2011). Wachter R., de Weger L., van der Smitte H.
10.30-11.00	Coffee break		
Aula		Seminar room	
11.00-12.30	ES_II ENVIRONMENTAL STUDIES Chairpersons: Giuseppe Frenguelli, Bernard Clot	11.00-12.30	FM FOSSIL AND MODERN POLLEN RAIN Chairpersons: Małgorzata Latałowa, Irena A. Pidek
11.00-11.15	ES_II.5 Airborne pollen levels of the eleven most planted tree species in the streets of Barcelona and sensitization of the population. Belmonte J., Puiggros A., Valero A.	11.00-11.30	FM.KN: Is the present the key to the past or the past the key for the future? Hicks S.
11.15-11.30	ES_II.6 Index of allergenicity of urban green zones: a new tool for planning and designing. Carinanos P., Quesada-Rubio J-M., Casares-Porcel M.		
11.30-11.45	ES_II.7 Assessing the effects of the meteorological conditions on the pollen wall by EPMA. Duque L., Guimarães F., Ribeiro H. et al.	11.30-11.45	FM.1 Episodes of the long-distance transport of birch pollen to Poznań, Poland. Grewling Ł., Jackowiak B., Szymańska A. et al.
11.45-12.00	ES_II.8 Microbiological components in cigarette tobacco and smoke. Larsson L., Pehrson C., Szponar B. et al.	11.45-12.00	FM.2 Pollen-climate correlations based on 13 years of monitoring pollen deposition in south-eastern Poland (Roztocze region). Pidek I.A., Poska A., Kaszewski B.M.
12.00-12.15	ES_II.9 Efficient characterization and quantification of airborne pollen using DNA sequencing: a progress report. Kraaijeveld K., Ventayol-Garcia M., van Schadewijk A. et al.	12.00-12.15	FM.3 Studies of vegetation, modern pollen "rain" and fossil pollen composition from raised bog monitoring sites in Latvia. Pujate A., Ustupe L.
12.30-13.30	CLOSING CEREMONY ☹☹☹☹☹☹☹☹	NEXT SYMPOSIUM, NEXT BASIC COURSE ☺☺☺☺☺☺☺☺	

GENERAL INFORMATION

The Conference Centre is **not smoking area**.

Free Internet access:
Wireless network: UJ_Guest
user: 5esa
password: aerobiology

CERTIFICATE OF PRESENTATION

Participants who could receive a **Certificate of Presentation** should inform the Symposium Secretariat: 5esa@cm-uj.krakow.pl before Symposium, or the Reception team at least one day before the session. The Certificate of Presentation will be given after presentation. If the presentations are not sent before Symposium, the participants are requested to download on site day before a given session.

ORAL SESSIONS:

ORAL presentations should not overrun 15' including 1-2 questions. The chairpersons are obligated to interrupt the presentation.

POSTER SESSIONS:

POSTER sessions will be arranged in the halls (1st and 2nd floor). Authors should not only stay by posters, but to explain shortly (5') the main results of the research and to answer the questions as well. One of the posters from each session will be awarded. The participants will be informed about decisions during the closing ceremony. Please remember, only posters presented and discussed by authors will be taken into consideration.

USUFUL INFORMATION

CURRENCY EXCHANGE

Decimal currency is used in Poland (Polish zloty – PLN) and currency units are “zloty” and “grosz” [grosch].

BANKS

There are a number of banks as well as automatic teller machines located around the Main Square, which accept most major credit and charge cards. Moreover, most shops in the city centre allow payment by card. Banks in Poland are open from 10:00 - 18:00 Monday to Friday. Most banks are closed during weekends and public holidays.

EXCHANGE OFFICES

Money exchange is possible in exchange offices and banks. As banks usually take a small commission for such services this method is less attractive and beneficial for customers.

IMPORTANT TELEPHONE NUMBERS

When phoning:

from abroad: dial +48 - international prefix for Poland,
from other regions of Poland: dial 12 - Krakow area code

EMERGENCIES

Ambulance:999; Police: 997; Fire Brigade: 998; All emergencies, phoning from a mobile telephone: 112

TRANSPORT

Public Transport in the City (MPK). Tickets valid on trams and buses can be purchased in street automatic machines (city card of Krakow), in tram automatic machines, kiosks, special MPK ticket centres and, with a surcharge, from the driver. Information: 91 50, www.mpk.krakow.pl

TAXIS

There are a number of taxi fleets in Krakow, and travelling by their clearly marked cars is much cheaper than by those not associated with taxi corporations. In some fleets, booking taxis by phone entitles you to a further price reduction. Phone numbers: 919, 91-91, 96-21, 96-22, 96-23, 96-25, 96-26, 96-28, 96-29, 96-61, 96-63, 96-64, 96-65, 96-66, 96-69, 96-88.

SHOPPING

Opening hours are usually 9.00 – 19.00, Monday - Saturday. Shopping centres and supermarkets are open 7 days a week, usually until 22:00. Small shops are open until 13:00 on Saturdays and are closed on Sunday.