



Deutsche Botschaft
Sofia



Alexander von Humboldt
Stiftung/Foundation

Humboldt-Kolleg

WISSENSCHAFTEN IN DIALOG UND MONOLOG

SCIENCES IN DIALOGUE AND MONOLOGUE

PROGRAM

30.06.2022	
16.00 - 17.00	Registration
17.00 - 17.30	https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1IrQT09 Opening <ul style="list-style-type: none">✓ Prof. Lora Taseva, President of the Humboldt Union in Bulgaria✓ Dr. Enno Aufderheide, Secretary General of the Alexander von Humboldt Foundation✓ Representative of the German Embassy in Bulgaria✓ Greeting Addresses
17.30 - 18.30	<ul style="list-style-type: none">• Dr. Enno Aufderheide, Alexander von Humboldt Foundation Das Humboldt-Netzwerk in Zeiten starker Konflikte: auch die neue Zeit braucht Verbindung und Vertrauen• Prof. Roland Marti, University of Saarland Monologue and Dialogue in the Humanities
19.00	Reception given by the German Embassy in Bulgaria

01.07.2022			
9:00-10:30	<p>Hall 1</p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1IrQT09</p> <p>Plenary talks</p> <p>Chair: Ilza Pajeva</p> <ul style="list-style-type: none"> • Luka Popovic (Serbia): Natural science in dialogue with the society: Influence of popularization of natural science on society • Radka Argirova (Bulgaria): SARS-CoV-2 mutations and clinical symptoms during COVID-19 pandemic 		
10.30-10.50	<p>Coffee break</p>		
10:50-12:30	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Hall 1</p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1IrQT09</p> <p>Spatium Humboldtianum</p> <p>Chair: Lora Taseva</p> <ul style="list-style-type: none"> • Dilyana Boteva-Boyanova, Lily Grozdanova (Bulgaria): Spatium Humboldtianum in the digital era: Ancient coins counterfeits scientific network • Athina Sioupi (Greece): Deutsch-Mittelmeerisches Netzwerk Sprachwissenschaft: Vision, Chancen und Herausforderungen • Achim Rabus (Germany): Künstliche Intelligenz und Philologie: Handschriftenerkennung in der Paläoslavistik • Violeta Velikova (Bulgaria): “Imaging” of sustainable research activities beyond of the Humboldt fellowship • Stefka Bouyuklieva (Bulgaria): Humboldt Foundation and women of mathematics throughout Europe </td> <td style="width: 50%; text-align: center; vertical-align: top;"> <p>Hall 2</p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVfK0NIFTcFhkUnU5M09oQT09</p> <p>Biomedicine and quality of life</p> <p>Chair: Radka Argirova</p> <ul style="list-style-type: none"> • Radka Kaneva (Bulgaria): Large-scale genomic studies and their role for the development of personalized medicine in Bulgaria • Rumen Stamatov, Sonya Uzunova, Stoyno Stoynov (Bulgaria): Application of machine learning in molecular biology – tracking of cell nuclei and mitotic chromosomes • Sonya Uzunova, Rumen Stamatov, Stoyno Stoynov (Bulgaria): Mechanism and kinetics of recruitment and dissociation of RPA protein during DNA protein crosslinks repair • L. Dimitrova, M. M. Zaharieva, K. Yoncheva, N. Benbassat, H. Najdenski (Bulgaria): Anti-Staphylococcal biofilm effect and cytotoxicity of Bulgarian Oregano oil • M. Kaleva, M. M. Zaharieva, L. Dimitrova, H. Najdenski (Bulgaria): Quantification and antimicrobial resistance of pathogenic bacteria isolated from pig farms and surroundings </td> </tr> </table>	<p>Hall 1</p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1IrQT09</p> <p>Spatium Humboldtianum</p> <p>Chair: Lora Taseva</p> <ul style="list-style-type: none"> • Dilyana Boteva-Boyanova, Lily Grozdanova (Bulgaria): Spatium Humboldtianum in the digital era: Ancient coins counterfeits scientific network • Athina Sioupi (Greece): Deutsch-Mittelmeerisches Netzwerk Sprachwissenschaft: Vision, Chancen und Herausforderungen • Achim Rabus (Germany): Künstliche Intelligenz und Philologie: Handschriftenerkennung in der Paläoslavistik • Violeta Velikova (Bulgaria): “Imaging” of sustainable research activities beyond of the Humboldt fellowship • Stefka Bouyuklieva (Bulgaria): Humboldt Foundation and women of mathematics throughout Europe 	<p>Hall 2</p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVfK0NIFTcFhkUnU5M09oQT09</p> <p>Biomedicine and quality of life</p> <p>Chair: Radka Argirova</p> <ul style="list-style-type: none"> • Radka Kaneva (Bulgaria): Large-scale genomic studies and their role for the development of personalized medicine in Bulgaria • Rumen Stamatov, Sonya Uzunova, Stoyno Stoynov (Bulgaria): Application of machine learning in molecular biology – tracking of cell nuclei and mitotic chromosomes • Sonya Uzunova, Rumen Stamatov, Stoyno Stoynov (Bulgaria): Mechanism and kinetics of recruitment and dissociation of RPA protein during DNA protein crosslinks repair • L. Dimitrova, M. M. Zaharieva, K. Yoncheva, N. Benbassat, H. Najdenski (Bulgaria): Anti-Staphylococcal biofilm effect and cytotoxicity of Bulgarian Oregano oil • M. Kaleva, M. M. Zaharieva, L. Dimitrova, H. Najdenski (Bulgaria): Quantification and antimicrobial resistance of pathogenic bacteria isolated from pig farms and surroundings
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12.30-14.00	<i>Lunch</i>	
14.00-15.40	<i>Hall 1</i>	<i>Hall 2</i>
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	<p><i>Spatium Humboldtianum</i></p> <p><i>Chair: Petar Petrov</i></p> <ul style="list-style-type: none"> • Cyril Popov (Germany): Diamond films and nanostructures for advanced technological applications • Daniel Merker, Daniela Bertinetti, Rolf Merz, Michael Kopnarski, Johann Peter Reithmaier, Friedrich W. Herberg, Cyril Popov (Germany): Surface functionalization of ultrananocrystalline diamond films for biosensing applications • Julia Heupel, Maximillian Pallmann, Jonathan Körber, Johann P. Reithmaier, David Hunger, Cyril Popov (Germany): Fabrication and characterization of thin single-crystal diamond membranes for quantum photonics • Yuri Kalvachev, A. Liutcanova, T. Todorova, P. Petrova (Bulgaria), C. Popov (Germany): Catalytic oxidation of CO and benzene over noble metals loaded on hierarchical zeolites • Maya Zaharieva (Bulgaria): Cytotoxicity and signal transduction - development of a laboratory for preclinical drug research 	<p><i>Biomedicine and quality of life</i></p> <p><i>Chair: Radka Kaneva</i></p> <ul style="list-style-type: none"> • M. Jarosz, A. Pawlik, G.D. Sulka, Marian Jaskuła (Poland): Nanoporous oxide layers as potential drug delivery systems • K. Kamenova, G. Grancharov, V. Kortenova, P. Petrov (Bulgaria): Reversible shell-crosslinked micelles for controllable of anticancer drugs • Martina Peeva, Nikolay T. Tzvetkov (Bulgaria): Comparative study of antibacterial and antitumor effects of structurally different small molecules as potential cytotoxic agents against <i>Paenibacillus larvae</i> • Blagovesta Popova, Gerhard H. Braus (Germany): Identification and characterization of novel peptides as cellular α-synuclein toxicity and aggregation antagonists • Y. Ilieva, M. M. Zaharieva, M. Kaleva, L. Ilocheva, S. Philipov, T. Marinov, Z. Kokanova-Nedialkova, P. Nedialkov, H. Najdenski (Bulgaria): Antimicrobial potential and in vitro cytotoxicity of <i>Hypericum</i> L. spp. extracts
15.40-16.00	<i>Coffee break</i>	
16.00-17.00	<p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1lrQT09</p> <p>Prof. Krum Bacvarov, Ambassador Scientist of the Alexander von Humboldt Foundation</p> <p><i>Presentation of the programs of the Alexander von Humboldt Foundation</i></p>	
17.00-19.00	<i>Sightseeing</i>	
20.00-22.00	<i>Dinner</i>	

02.07.2022

9.00-10.40	<p style="text-align: center;"><i>Hall 1</i></p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1lrQT09</p> <p style="text-align: center;"><i>Cultural dialogue in Southeast Europe</i></p> <p style="text-align: center;"><i>Chair: Nikolina Burneva</i></p> <ul style="list-style-type: none">• Gordana Jovanovic (Serbia): Von der Erkenntnis zur Gesellschaft und von der Gesellschaft zur Erkenntnis• Christian Voss (Germany): Inter- und Transdisziplinarität in den sogenannten Kleinen Fächern nach der deutschen Exzellenz-Initiative: Beispiele aus der Slawistik• Alexander Kartosia (Georgia): Wissenschaft und Macht: Der Fall Nikolai Marr• Yordan Yordanov (Bulgaria): The Evolution of the independence ideas within empires: British colonies in North America vs Ottoman empire	<p style="text-align: center;"><i>Hall 2</i></p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVFk0NIFTcFhkUnU5M09oQT09</p> <p style="text-align: center;"><i>Biomedicine and quality of life</i></p> <p style="text-align: center;"><i>Chair: Violeta Velikova</i></p> <ul style="list-style-type: none">• A. Langari, S. Krumova, A. Danailova, V. Strijkova, S. Todinova (Bulgaria): Correlation between the morphometric and calorimetric features of erythrocytes from women with early pregnancy loss. Cells aging effect• S. Konstantinov, M. Nikolova, P. Dolashka (Bulgaria): Molluscan extracts possess in vitro antitumor activity against bladder cancer and cutaneous T-cell lymphoma• T. Kim (Bulgaria), M. Zaharieva (Bulgaria), Els van Collie (Belgium), M. Heyndrickx (Belgium), H. Najdenski (Bulgaria): Fast identification of <i>Yersinia pseudotuberculosis</i> in milk samples using loop mediated isothermal amplification and digital droplet PCR• D. Hristova, S. Russinova-Videva, S. Konstantinov (Bulgaria): Antarctic yeasts – chemical composition and antineoplastic activity• M. Nikolova (Bulgaria), N. Singh (South Africa), D. Zheleva-Dimitrova (Bulgaria), S. Konstantinov (Bulgaria): Cannabidiol and extract of <i>Kigelia africana</i>: comparative analysis of their antineoplastic activities against breast and urothelial cancer
10.40-11.00	<i>Coffee break</i>	

11.00-12.40	<p style="text-align: center;"><i>Hall 1</i></p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1lrQT09</p> <p style="text-align: center;">Cultural dialogue in Southeast Europe</p> <p style="text-align: center;"><i>Chair: Valery Stojanow</i></p> <ul style="list-style-type: none"> • Zozan Tarhan (Bulgaria): Near Eastern motifs in Ancient Thrace • Dobriela Kotova (Bulgaria): Zwei Kulturen, zwei Sprachen, zwei Aufgaben: Konstantin von Preslav - Übersetzer und Prediger • Natalia Kulikova (Polen): The influence of terminological borrowings from classical languages on the development of scientific knowledge (on the example of the Greek term $\mu\iota\sigma\upsilon$ found in classical treatise <i>De medica</i>) • Michail Stanchev (Ukraine / Bulgaria): Ukraine: Battle for freedom 	<p style="text-align: center;"><i>Hall 2</i></p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVfK0NIFTcFhkUnU5M09oQT09</p> <p style="text-align: center;">The “green deal”</p> <p style="text-align: center;"><i>Chair: Yuri Kalvachev</i></p> <ul style="list-style-type: none"> • Jörg-Peter Schnitzler (Germany), Violeta Velikova (Bulgaria): “Green deal” - voc emitters and urban planting, advantages and disadvantages of using transgenic non-emitting poplar for planting; vocs and plant immunity • Liudmil Antonov, Daniela Nedeltcheva (Bulgaria): Green analytical chemistry: the long journey of the wet analysis to the analysis of demand (with live demonstrations) • Andrea Krähmer (Germany): Non-destructive spectroscopic rapid methods in plant analysis - hype or panacea? • L. Zaharieva, D. Kyurkchiev, K. Tumangelova-Yuzeir, E. Ivanova-Todorova, I. Angelov, Ts. Genova, P. Karazapryanov, K. Minkin (Bulgaria): Application of two types of photosensitizers and evaluation of their photodynamic effect on glioblastoma
12.40-14.00	<i>Lunch</i>	
14.00-15.20	<p style="text-align: center;"><i>Hall 1</i></p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1lrQT09</p> <p style="text-align: center;">Cultural dialogue in Southeast Europe</p> <p style="text-align: center;"><i>Chair: Dilyana Boteva-Boyanova</i></p> <ul style="list-style-type: none"> • Irena Vassileva (Bulgaria): The new technologies and the social sciences – friends or foes? • Milan Pelc (Croatia): Europäische Kunstgeographie, Kunstlandschaft(en) Südosteuropas und moderne Kunstgeschichte 	<p style="text-align: center;"><i>Hall 2</i></p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVfK0NIFTcFhkUnU5M09oQT09</p> <p style="text-align: center;">The “green deal”</p> <p style="text-align: center;"><i>Chair: Sylvia Boycheva</i></p> <ul style="list-style-type: none"> • Stefan Lochbrunner (Germany): New iron photosensitizers for solar technologies and insights into their response to light • Maria Luisa Grilli (Italy): Indium-free transparent conductors for solar cells and optoelectronic applications

	<ul style="list-style-type: none"> • Vaska Belchovska-Nedelcheva (Bulgaria): Innovative practices in preservation and socialization of cultural and historical heritage • Nikolina Burneva (Bulgaria): Nicht die Grenze, die Himmelsrichtung macht die Botschaft aus: Narrative der Wende 	<ul style="list-style-type: none"> • Krasimir Georgiev, Nikolay K. Vitanov (Bulgaria): Monitoring system and problems in experimental Pavilion
15.20-15.40	<i>Coffee break</i>	
16.00-19.00	<i>Sightseeing</i>	
20.00-22.00	<i>Dinner</i>	
03.07.2022		
9.00-10.30	<p style="text-align: center;"><i>Hall 1</i></p> <p>https://zoom.us/j/91663627690?pwd=Rmt3eG5mT1REckJpcVNQVEVrd1lrQT09</p> <p style="text-align: center;"><i>Pandemic: One virus, many outcomes</i></p> <p style="text-align: center;"><i>Chair: Radka Argirova</i></p> <ul style="list-style-type: none"> • Nikolay K. Vitanov (Bulgaria): Remarks on the COVID-19 pandemic in Bulgaria • Trifon Valkov (Bulgaria): Die Analyse der COVID 19 Pandemie und die Impfschwankung in Bulgarien, März 2020 - März 2022 • Georgi Dimitrov (Bulgaria): Contemporary digital solutions for treatment related decision-making processes in the context of the COVID-19 pandemic • Tsanislava Genova (Bulgaria): Biophotonics in the diagnosis and management of Covid-19 	<p style="text-align: center;"><i>Hall 2</i></p> <p>https://us06web.zoom.us/j/82955388637?pwd=OXhsaEVRVfK0NIFTcFhkUnU5M09oQT09</p> <p style="text-align: center;"><i>The “green deal”</i></p> <p style="text-align: center;"><i>Chair: Liudmil Antonov</i></p> <ul style="list-style-type: none"> • Valentin Mircheski (North Mazedonia): Connecting phases, interfacing people • Sofia Slavova, Liudmil Antonov (Bulgaria): Tautomeric molecular switches - is the conjugation important? • Svetozara Petrova (Germany): Design optimization problems with applications in material science • Negoslav Sabev (Bulgaria): Access and accessibility: their significance in the new “normal”
10.30-11.00	<i>Closing the Kolleg</i>	
12.00-13.30	<i>Lunch</i>	