

BIO RIMA

BIOmaterial
Risk Management

Annual Meeting 2020 (Remote)

19th – 21st October 2020



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Day 1 - Monday 19 th October	
Meeting Room	<u>ZOOM (LINK WILL BE PROVIDED AFTER REGISTRATION)</u>
09:00 – 09:10	Introduction to the meeting (Meeting rooms, rules etc.) <i>Lang Tran (IOM) / Hildegard Luhmann (ERS)</i>
09:10 – 10:10	<p>BIORIMA RESPONSE TO COVID 19</p> <ul style="list-style-type: none"> - <i>Is the battle against Covid 19 a nanotechnology matter? – Lang Tran (IOM)</i> - <i>Practical examples/approaches – Marie Carriere (CEA), Bengt Fadeel (KI), Anna Costa (ISTEC)</i> <p>Panel of discussion <i>How can we capitalize on the work that is being performed by BIORIMA partners?</i> Chair: <i>Bengt Fadeel</i> Panelists: <i>Bernd Nowack (EMPA)/Carlos Fito (ITENE) = Exposure; Monica Amorim (UA)/Janeck J. Scott-Fordsmand (AU) = Environment; Miguel Banares (CSIC)/Giovanni Baldi (COLOROBIA) = Air-purifier photocatalytic application ; Marie Carriere (CEA) = Mechanisms/biological end-points; Danail Hristozov (GD) = Risk management framework; Rudolf Reuther (ENAS) = New EU Grants)</i></p>
10:10 – 10:20	COFFEE BREAK - https://global.gotomeeting.com/join/67047950
10:20 – 11:30	<p>Workshop 1: <u>PHYSICOCHEMICAL CHARACTERIZATION CONTRIBUTE FOR BIORIMA IRM</u></p> <p>Chair: <i>Anna Costa (ISTEC)</i> Rapporteur: <i>P. Kainourgios (NTUA)</i></p> <ul style="list-style-type: none"> - <i>Physicochemical characterization in relevant ecotox media – Ivana Fenoglio (UNITO)</i> - <i>Progress in BIORIMA SbD case studies – Magda Blosi (ISTEC CNR)</i> - <i>Building the Physicochemical BIORIMA database – P. Kainourgios (NTUA)</i> <p>Open discussion:</p> <ul style="list-style-type: none"> - Time to link WP2 data to other WPs, suggestions? - Focus on Synovial fluid: which nanobio interactions between NPs and Synovial Fluid? (chaired by M Bottini)
11:30 – 11:40	COFFEE BREAK - https://global.gotomeeting.com/join/67047950
11:40 – 13:00	<p>Workshop 2: <u>EXPOSURE OF NBM TO HUMANS AND THE ENVIRONMENT</u></p> <p>Chair: <i>Bernd Nowack (EMPA)</i></p> <ul style="list-style-type: none"> - <i>Modeling the release of nanobiomaterials from medical applications into the environment – Marina Hauser (EMPA)</i> - <i>Data available regarding release of NBM aerosol in occupational settings – Sébastien Artous (CEA)</i> <p>Open discussion:</p> <ul style="list-style-type: none"> - Are the provided PEC values useful for environmental risk assessment? - Are the BIORIMA case studies well captured? - How can the occupational data from the investigated companies be used for the BIORIMA NBM? - How can the data be used in exposure and safety assessment of NBM?
13:00	DAY 1 CLOSE
14:00 – 16:00	<p><u>WP3-WP5-WP6: RESULTS OF NBM AEROSOL FIELD MEASUREMENTS IN OCCUPATIONAL SETTINGS AND DISCUSSION ABOUT IMPLEMENTATION IN RISK MANAGEMENT</u></p> <ul style="list-style-type: none"> - <i>Sébastien Artous, Josephine Steck, Adeline Tarrantini, Burkhard Stahlmecke, Francisco Huertas, Danail Hristozov, Rudolf Reuther, Carlos Fito, Francisco Huertas López</i> <p>More detailed presentation of monitoring studies from Workshop 2 and 60 minutes presentation 30 minutes discussion</p>



Day 2 - Tuesday 20 th October	
Meeting	ZOOM (LINK WILL BE PROVIDED AFTER REGISTRATION)
08:45 – 08:50	Introduction to the agenda of the day <i>Lang Tran (IOM)</i>
08:50 – 11:00	<p>Workshop 3: <u>Human Health & Environment</u> Chair: <i>Bengt Fadeel (KI) / Monica Amorim (UA)</i> Rapporteur: <i>Sandeep Keshavan (KI)</i></p> <ul style="list-style-type: none"> - <i>Introduction - Bengt Fadeel (KI)</i> - <i>Development of new standards: ISO/CEN – Terry Wilkins</i> - <i>Gastrointestinal toxicity of NBMs – in vitro - Hans Bouwmeester</i> - <i>Reproductive toxicity testing of NBMs – in vitro - Gary Hutchison</i> - <i>Update on in vivo studies performed at HKUST - King Lun Yeung [TBC]</i> - <i>In vivo evaluation of NBMs – first harvest of results - Luisa Campagnolo</i> - <i>Pulmonary toxicity: in vitro versus in vivo - Sonja Boland & Gaku Ichihara</i> <p>COFFEE BREAK</p> <ul style="list-style-type: none"> - <i>Test guidelines for NBMs: recommendations for standardization of methods) - Mónica Amorim</i> - <i>Environmental in vitro testing: challenges and recommendations - Maria-Luisa Fernandez-Cruz</i> - <i>Round robin (interlaboratory) testing of NBMs: basics and way forward) - Janeck J. Scott-Fordsmand</i> <p>Open Discussion</p>
11:00 – 11:10	COFFEE BREAK - https://global.gotomeeting.com/join/67047950
11:10 – 12:40	<p>Workshop 4: <u>RISK ASSESSMENT AND MANAGEMENT OF NBMS USED IN MEDICAL APPLICATIONS: FROM THEORY TO PRACTICE</u> Chair: <i>Danail Hristozov (UNIVE)</i> Rapporteur: <i>Lisa Pizzol (GD)</i></p> <ul style="list-style-type: none"> - <i>BIORIMA Risk Management Framework – Elisa Giubilato (UNIVE)</i> - <i>BIORIMA Decision Support System (DSS) demonstration in an occupational risk assessment case-study– Alex Zabeo (GD) and Virginia Cazzagon (UNIVE)</i> - <i>In silico models to support NBM risk assessment –Marianna Kotzabasaki (NTUA)</i> <p>Open discussion:</p> <ul style="list-style-type: none"> - General feedback on the BIORIMA DSS - Implementation of the DSS in case studies – current status and data required from other WPs - How to facilitate the acceptance of the BIORIMA DSS and ensure its sustainability for the future (Links to WP6-WP7)?
12:40 – 13:30	<p>Workshop 5: <u>LESSONS LEARNED FROM CASE STUDIES AND NEXT ACTIVITIES</u> Chair: <i>Carlos Fito (ITENE)</i> Rapporteur: <i>Francisco Huertas (ITENE)</i></p> <ul style="list-style-type: none"> - Validation case studies with companies from the consortium: lessons learned and KPIs - Validation of the outcomes of the project with stakeholders - Scheduled actions to analyze the impact of the project on environmental, health and safety issues in the nanomedicine supply chain
DAY 2 CLOSE	
14:00 – 14:30	WP 4 General Meeting - https://global.gotomeeting.com/join/812059813
14:30 – 16:00	<p>WP 4 – Human Tox – Chair: Bengt Fadeel https://global.gotomeeting.com/join/812059813</p> <p>WP 4 – Environment – Chair: Monica Amorim https://global.gotomeeting.com/join/67047950</p>



Day 3 - Wednesday 21 st October	
Meeting Room	<u>ZOOM (LINK WILL BE PROVIDED AFTER REGISTRATION)</u>
09:00 – 09:05	Introduction to the agenda of the day <i>Lang Tran (IOM)</i>
09:05 – 10:00	Workshop 6: <u>DEVELOPMENT OF INTEGRATED APPROACHES FOR TESTING AND ASSESSMENT (IATA) TO SUPPORT NBM RISK ASSESSMENT</u> Chair: <i>Adriale Prina Mello (TCD) / Teresa Fernandez (HWU)</i> Rapporteur: <i>Suzanne Gillies (HWU)</i> - <i>IATA: from grouping and read-across to risk assessment - Fiona Murphy (HWU)</i> Open discussion - Relevance of the presented IATA for risk assessment in BIORIMA - Selection of in silico models for the IATA
10:00 – 10:15	COFFEE BREAK - https://global.gotomeeting.com/join/67047950
10:15 – 11:45	Workshop 7: <u>Dissemination and Exploitation Activities in BIORIMA</u> Chair: <i>Lisa Bregoli (WH) / Rudolf Reuther (ENAS)</i> Rapporteur: <i>Stefania Melandri (WH)</i> - <i>How to best perform in our last mile for Dissemination, Training, stakeholder engagement? – Susanne Resch (BNN), Lisa Bregoli (WH), Rudolf Reuther (ENAS)</i> - <i>Key exploitable results (KER) – Lesley Tobin (ENAS)</i> - <i>Transfer of pre-normative research results to regulatory bodies: What pre-normative results can be transferred to regulatory bodies? – Lisa Bregoli (WH)</i> Open discussion - What pre-normative results can be transferred to regulatory bodies?
11:45 – 12:00	COFFEE BREAK - https://global.gotomeeting.com/join/67047950
12:00 – 12:30	Feedback from International Advisory Board <i>Rapporteur: Hildegard Luhmann (ERS)</i>
12:30 – 13:00	Closing statements <i>Lang Tran (IOM)</i>
13:00	END OF MEETING
14:00 – 17:00	Optional WP and Inter WP Meetings

