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notes from the coordinator: Regular newsletters are obviously difficult to maintain. Take it as a positive sign that our joint research activities are progressing smoothly and are keeping everybody busy. Since our get-together in Leuven plans for the next meetings have gained shape. Especially the conference in Vienna has been propelled forward through the detailed inquiries of Rupert Ecker and his fantastic assistant Eva Veelenturf. It is now on us to suggest renowned experts for the international conference. I strongly encourage all of you to provide names of potential candidates! Consider preferentially those from nearby!

Given the comparatively long quiet time ahead, I ask you to intensify activities towards joint manuscripts. Subgroup meetings have been highly effective. Continue! Limited support can be provided.

I would also like to remind you that we are not bound by the official secondments but can and should increase these interactions. Some of the wonderful options have not been used. For example, TIG has offered secondments without any takers so far.

Finally, I ask you to report on your scientific activities and accomplishments as detailed as possible at regular intervals. This will be important for the assessment of our success and may help to test the waters for future EU-funded activities. The schedule for the next Horizon 2020 applications is expected to be rather late with calls in November/December 2017 and submission in March/April 2018. Suggestions are highly welcome at any time.

[- upcoming](#)**Deliverables:**

WP1	D1.3	D7	Supervision 2	UKA	Other	Confidential, only for m	30 Jun 2017
WP5	D5.3	D8	Midphase training 2	ANDOR	Demonstrator	Confidential, only for m	30 Jun 2017
WP6	D6.1	D9	Communication 1	UKA	Report	Public	30 Jun 2017
WP2	D2.2	D10	Experimental research 1	JUELICH	Demonstrator	Confidential, only for m	31 Aug 2017
WP3	D3.2	D11	Theoretical research pl	UOS	Report	Confidential, only for m	31 Aug 2017

★ WP1: **D1.3 "Supervision 2"** – UKA has the LEAD – submission until June 30th, 2017.



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- ★ WP2: **D2.2 “Experimental research phase 2”** – JUELICH has the lead – submission until August 31st, 2017.
- ★ WP3: **D3.2 “Theoretical research phase 2”** – UOS has the lead – submission until August 31st, 2017.
- ★ WP5: **D5.3 “Midphase training 2”** – ANDOR has the lead – submission until June 30th, 2017.
- ★ WP6: **D6.1 “Communication 1”** – UKA has the lead – submission until June 30th, 2017

Conferences:

- ★ Several InCeM members will participate in the European meeting on Intermediate Filaments in Saint Malo from June 14th to 17th, with oral and poster presentations.
- ★ The conference on "Imaging the Cell" in Rennes from June 28th to 30th may be of interest to some of you.

- from the groups

These ESRs were or are currently on **secondment**:

- ★ ESR1: **Lea Tomášová** has been to UKA from 20/02/2017 until 20/03/2017 to perform cell experiments (advanced imaging methods).
- ★ ESR2: **Nikos Kavalopoulos** has been twice on secondment since the last newsletter. From 01/10/2016 until 31/10/2016 he has been to KNAW to analyse cell migration and cell behaviour using advanced microfluidic assays and in vivo models. From 01/11/2016 until 31/01/2017 he went to UPU to establish and develop a tracking tool.
- ★ ESR3: **Nadieh Kuijpers** has been also to KNAW from 01/10/2016 until 31/10/2016 to do in vivo imaging of keratinocytes.
- ★ ESR4: **Anne Pora** has been to JUELICH from 01/04/2017 until 30/04/2017 for a second time to improve her knowledge on traction force microscopy and stretching devices.
- ★ ESR5: **Kritika Sahni** has been to UOS from 01/04/2017 until 30/04/2017 for mathematical modelling of molecular diffusion from front and rear in a migrating cell.
- ★ ESR9: **Rutuja Patwardhan** has been to JUELICH from 31/03/2017 to 30/04/2017 in order to get training in advanced imaging and cell manipulation methods.
- ★ ESR10: **Katerina Lomanov** is currently from 01/03/2017 until 31/05/2017 in JUELICH to complete robustness analysis of tracking framework on keratinocyte migration.
- ★ ESR12: **Victor Juma** is staying at UMA in Canada between 01/05/2017 and 30/06/2017 to conduct simulation of cell migration models.
- ★ ESR13: **Shore Salle** is staying with WEIZMANN from 01/04/2017 until 31/05/2017 to get taught in integration of elasticity and force effects into cell shape models.
- ★ ESR15: **Davide Cusseddu** is also in Canada at UMA from 01/03/2017 until 05/05/2017 to become an expert in keratin modelling.

IMPORTANT: We kindly ask all beneficiaries to confirm these dates and to add them to the Researcher Declarations in the Participant Portal.

- dissemination**Posters presentations:**

- ★ Nadieh Kuijpers: Keratin intermediate filament dynamics during epithelial cell migration (Conference "When development meets cell biology"; Lyon, 04/2017)

Talks:

- ★ **Rudolf Leube**: Emergent properties of filaments (Symposium "Communicating across scales: biophysics and beyond - The assembly, dynamics and organisation of filaments and cellular responses"; Durham, 03/2017)
- ★ **Anne Pora**: Impact of the mechanophysical environment on keratin network organization in migrating cells (Conference "When development meets cell biology"; Lyon, 04/2017)
- ★ **Reinhard Windoffer**: Probing intermediate filament mechanics from the inside and outside in epithelial cells (Symposium "Mechanobiology"; 04/2017, Aachen)

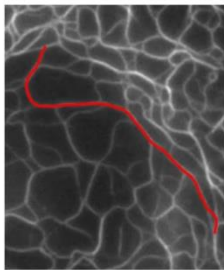
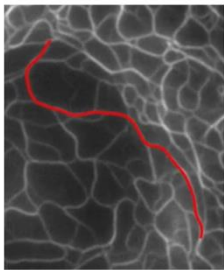
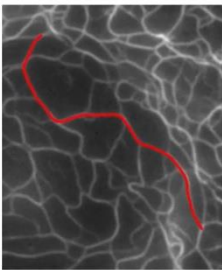
Other activities (conferences, workshops, exhibitions, local activities):

- ★ Symposium (Coordinator: **Rudolf Leube**): "Mechanobiology - How cells and tissues respond to and deal with mechanical stress" with Dennis Discher (University of Pennsylvania) as keynote speaker (UKA; 04/07/2017)



- ★ Workshop (Coordinators: **Bernd Hoffmann** and **Rudolf Merkel**): "Methods in Mechanobiology" with participation of InCeM ESRs (JUELICH and SPP1782; 04/03/2017-04/06/2017)

- experiment of the month

<p>frame 0</p>  <p>frame 20</p>  <p>frame 40</p> 	<p>Tracking the dynamics of individual keratin filaments</p> <p>In order to characterize keratin filaments, we have developed an image analysis tool that allows us to automatically track individual filaments in fluorescently labelled living cells over time and determine their movements and deformations. This allows us to extract motion relevant parameters for classification and analysis of different filament subgroups within living cells.</p>
<p>Dmytro Kotsur</p>	

- reminders

ALLEA, the European Federation of Academies of Sciences and Humanities, published the revised edition of [The European Code of Conduct for Research Integrity](#), a document that serves the European research community as a framework for self-regulation across all scientific and scholarly disciplines and for all research settings. Particularly the revised Code addresses recent and emerging challenges emanating from technological developments, open science, citizen science and social media, among other areas.

As the Code of Conduct is a central document within Marie Curie Actions and the host organisations needs to act in line with it, we want to share this document with you. Click on the link above to download the document as pdf-file.