



**BIO·FICTION**  
SCIENCE ART FILM FESTIVAL

# ON TOUR

[www.bio-fiction.com](http://www.bio-fiction.com)

2014 – 2016

BIO-FICTION Science Art Film Festival  
23/10/14 - 25/10/2014 - Vienna, Austria



*“The response to BIO·FICTION on Tour was extremely positive, we were able to bring both films and discussions to an international audience to foster new views and thoughts around the topic of synthetic biology.”*

Markus Schmidt  
BIO·FICTION Festival Founder

# TABLE OF CONTENT

Tour Stop		Tour Stop	Page
	BIO-FICTION Festival Overview .....	18	Perth, Australia .....
	World Map with Tour Stops .....	19	Ubatuba, Brazil .....
01	Linz, Austria .....	20	Poznan, Poland .....
02	Waldkraiburg, Germany .....	21	Nijmegen, Netherlands .....
03	Ljubljana, Slovenia (1) .....	22	Dublin, Ireland .....
04	Berlin, Germany .....	23	Barcelona, Spain .....
05	Summer School Berlin, Germany .....	24	Lausanne, Switzerland .....
06	Kiev, Ukraine .....	25	Tokyo, Japan .....
07	New Delhi, India (1) .....	26	New Delhi, India (2) .....
08	Taipei, Taiwan (1) .....	27	Shanghai, PR China .....
09	Seattle, USA .....	28	Hong Kong, PR China .....
10	Helsinki, Finland .....	29	Istanbul, Turkey .....
11	Stuttgart, Germany .....	30	Amsterdam, Netherlands .....
12	Karlsruhe, Germany .....		Amundsen–Scott South Pole Station,
13	Summer School Paris, France .....	31	Antarctica .....
14	Summer School Heidelberg, Germany.....	32	Stavanger, Norway .....
15	Taipei, Taiwan (2) .....	33	Accra, Ghana .....
16	Yogyakarta, Indonesia (1) .....	34	Bergen, Norway .....
17	Yogyakarta, Indonesia (2) .....	35	Ljubljana, Slovenia (2) .....
			Contact & impressum .....



**BIO·FICTION**  
SCIENCE ART FILM FESTIVAL

# SCIENCE ART FILM FESTIVAL



Talks & lectures at the NHM



Herwig Weiser "Lucid Phantom Messenger"

*"It was a great pleasure to be there and engage in dialogue with people with many different backgrounds, unified by their interest in biology and art."*

BIO-FICTION Festival Visitor



Gala evening at the NHM





“Yeastograms” by Pavillon 35

## Summary of the BIO-FICTION Science, Art & Film Festival 2014

### LOCATION:

Vienna, Austria

### PRODUCER:

BIOFACTION, Vienna

### DATE:

23rd - 25th October 2014

### VENUE:

Natural History Museum Vienna

The second BIO-FICTION Science Art Film Festival took place from 23 - 25 October, 2014. The international synthetic biology festival was organised by Vienna-based research and science communication company Biofaction with the support of the Museum of Natural History in Vienna, Austria.

BIO-FICTION discussed, documented and explored the emerging field of synthetic biology and initiated a public discourse on this current and highly relevant topic. In order to facilitate this creative conversation, the event featured a large variety of content: 32 presentations, panel discussions, 5 do-it-yourself biology demos, 3 art performances, and of course film screenings.

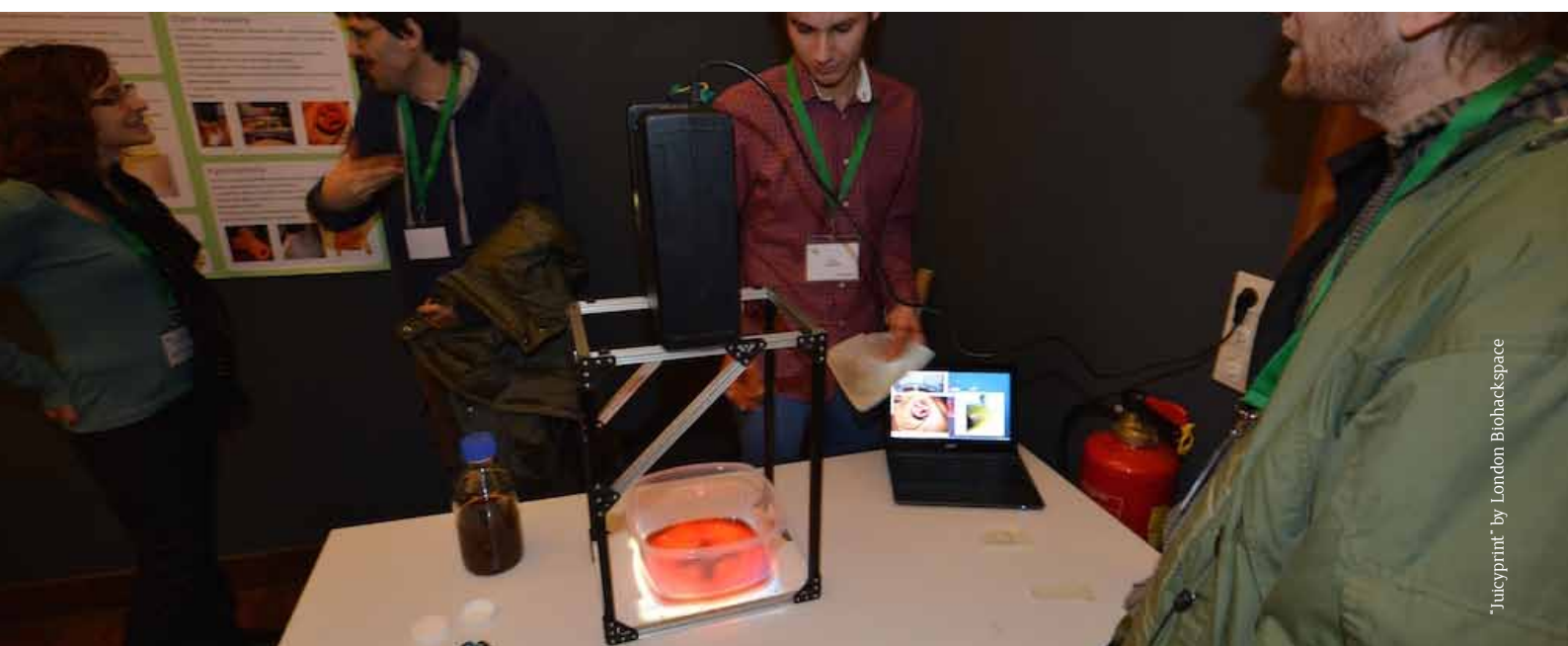
The participants came from a wealth of backgrounds, including science and engineering, the social sciences, cultural studies, amateur biology, the military, film making, art and design. In accordance with its objective, all BIO-FICTION events were open to the public and free of charge. We were honoured to welcome not only locals, but also visitors who travelled from abroad to join us for a fantastic three days. Like its first edition in 2011, when it was launched successfully as the world's first festival of its kind and was taken on a tour of three continents, the second BIO-FICTION festival was a highly rewarding event which connected diverse people and facilitated new avenues of discussion.



"Juicyprint" by London Biohackspace "Amplino" by Waag Society

The trans-disciplinary symposium was set in Vienna's beautiful Museum of Natural History and featured a program of presentations and discussion groups, which explored, amongst other topics, bioengineering, bioart, ethics, responsible research and innovation, intellectual property, entrepreneurship as well as do-it-yourself biology. Tying into a Bio-Commons event held after BIO-FICTION ended, the festival offered a highlight on DIY-Bio groups and their projects with interactive demonstrations:

- "Grow Your Ink" by La Pailasse, and presented by Thomas Landrain
- "bento-lab" by a London collective, and presented by Philip Boeing
- "Juicyprint" by London Biohackspace, and presented by Ilya Levantis
- "Amplino" by Waag Society, and presented by Pieter van Boheemen
- "Yeastograms" by Pavillon 35.



"Juicyprint" by London Biohackspace







Herwig Weiser: "Lucid Phantom Messenger"

Set in an exhibit room of the Natural History Museum, Herwig Weiser introduced and temporarily installed and demonstrated his current work in progress "Lucid Phantom Messenger". The piece consists both of a live protocell-like experiment and its cinematographic restitution; it brings together ingredients of a cristal garden with luminescent so-called nanodots from the forefront of scientific research, which mix and change in a live life-like hypnotic process.

Also set up in the Natural History Museum were artefacts from the US based Center for Post-Natural History that features a curated collection of genetically modified organisms, like the skull of the first spider silk protein "steel-goats", the leaf of a genetically engineered chestnut tree, or the supersafe bacteria *E. coli* 1776.



Center for Post-Natural History



Bellaria Kino, Vienna

One cornerstone of the festival was of course the international short film competition, which introduced documentaries, animation and fiction shorts that explored the thematic. Our call for submissions was answered by 100 submissions from 17 countries and four continents. The 60 shortlisted entries were widely diverse; judging them was certainly not undemanding for our international jury of nine tasked with reviewing the films and selecting the winners.

The screenings were held at the nearby Bellaria film theatre, one of Vienna's oldest film theatres with its establishment in 1911. The award ceremony took place during the grand BIO-FICTION gala in the Museum of Natural History's magnificent dome hall.

The award for best animation short went to Louis Rigaud's "Copy & Clone", a clip which discusses an extremely serious subject with a side order of humour: the animation displays the effects of biotechnologies on animal food industries through the window of a computer. What happens when the "copy and paste" commands of our devices step into real life?



Louis Rigaud: 'Copy & Clone'





Film still: Arjan Brentjes: "Hybris"

The winner of the award for best fiction short was Arjan Brentjes with "Hybris". In a 1960s talk show a scientist discusses the future possibility of indefinite human life. Through a mixture of animation, photorealism and visual aesthetics from the 1960s, the film takes us on a nostalgic journey into the past in order to explore our future.

Tobias Revell was awarded best documentary for his short (mockumentary) film "New Mumbai", which chronicles the fictional journey of a documentary filmmaker to the Dharavi slums of India in order to film a strange phenomenon involving genetically engineered mushrooms. The fungi serve as a new type of infrastructure providing heat, light and building material.

The Special Prize of the Jury, going to a film which cannot be limited to one category and which the Jury would like to highlight especially, went to Adi Gelbart's "Vermin". Three creatures mysteriously appear on Earth and start to use giant vegetables as components in enormous organic machines. The short film takes us on a fun and dissonant, psychedelic Sci Fi B-movie trip.



Film still: Tobias Revell: "New Mumbai"



Herwig Weiser "Lucid Phantom Messenger"

Following the festival, BIO-FICTION went on tour to bring a selection of the best films to places around the world. Take a look at all Tour Stops worldwide on the following pages.

Further information:

**Web:** [www.bio-fiction.com](http://www.bio-fiction.com)

**Contact:** [schmidt@biofaction.com](mailto:schmidt@biofaction.com)

BIO-FICTION was supported by the EC FP7 funded project SYNENERGENE.



FCGallma esvrtentj. l. l'nnogb wiaisi hR epvaentel. "dNieswcu Mssuommb aad" the NHM





**BIO·FICTION**  
SCIENCE ART FILMFESTIVAL

ON TOUR

# BIO-FICTION ON TOUR



## AROUND THE WORLD.



## 01. BIO-FICTION @ Linz

### LOCATION:

Linz, Austria

### DATE:

15th - 16th November 2014

### HOST:

Ars Electronica Center

### DESCRIPTION:

In the framework of Science Days Ars Electronica Center focuses on specific core topics - this time the emphasis was placed on BioArt.

BIO-FICTION screened all shortlisted films in the context of talks and lectures, guided tours and workshop around the topic. The programme gave insight into this young and exciting art form that deals with bacteria, tissue and tiny living organisms.

### LINKS:

<http://www.aec.at/press/2014/11/11/science-days-kunstliche-kunstlerische-natur/>

<http://bio-fiction.com/2014/wp-content/uploads/2013/11/Biofiction-in-Linz.pdf>

### FILMS PRESENTED:

Electrostabilis Cardium - Agi Haines

Synbio Ads London - Benedikt Groß

Synbio Ads Intel - Benedikt Groß

The Culturists - David Benqué

The Outline of Paradise - Ursula Damm

Black Gold - Tim Clark and Frank Kolkman

Quanticare - Amy Congdon, Jenny Lee, Ann-Kristen Abel

Aflatoxin Biosensor - Kristin Ari Dwijayanti Abel and Dimas Dwi

Exploring Indonesia - Adiguna Ari Dwijayanti

Consultation - Ping Lu

System Synthetics - Maurizio Montalti

Bacteria to the Future - Sam Ireland

Bacteria Compass - Howard Boland, C-LAB

Travelling Research Kit - The Extrapolation Factory

Protocell Technology - Shamees Aden, Sam J Bond

Preparing for Tomorrow - Nathan Burr

I Wanna Deliver a Dolphin - Ai Hasegawa

Bio Flaneur - Aleks Cicha

Living Food - Minsu Kim



Streichhölzer - David Hochgatterer  
Alien Fanfare - Jonathan Monaghan  
Bioplastic Fantastic - Johanna Schmeer  
Uncolour Me Courious - Georgia Bondy  
Synthetic Biology: A New Way in Evolution - Uwe Sleytr  
Expanded Self - Sonja Bäuml  
Decapoda Shock - Javier Chillon  
I wish my life - Joachim Huveneers  
Eugene - Catalina Hoyos-Restrepo  
Vermin - Adi Gelbart  
Talking Life - Bàr Tyrmi/Rafael Linares  
Hybris - Arjan Brentjes  
The Arsehole Gene - Eric Romero  
Macrostructure - Eric Schockmel  
Bioluminescent Streetlamps - Steven van Eekelen  
Reinventing the Dodo - Steven van Eekelen  
Copy & Clone - Louis Rigaud  
Beastliness - Deborah Kelly  
Cytoplasmic Playgrounds - Markos Kay  
Pet Genesis - Amy May Chin, Ingrid Hulskamp, Pras Gunaskera, Ting Chun Lin  
Bio-Logic - Gunasekera, Maurizio Montalti Ting Lin, Amy Chin

KATERED - Howard Boland, C-LAB  
Proteo - Johanna Hoffmann-Dietrich  
Life Spectrum - Paloma Dawkins  
Quasi Objects Cinematic Environment #8 - Lorenzo Oggiano  
Tracked down by our genes - Gilbert Charles  
The Perfect Humus - Marcello Mercado  
Stress-O-Stat - Howard Boland, C-LAB  
Simply Complex - Duguid Cameron  
East End Journey - Lindsay Goodall  
Inorganica - Valerie Mellon  
New Mumbai - Tobias Revell  
Zero Park - Sascha Pohflepp  
Public Misunderstanding of Science - Bruce Gilchrist  
Daughter Cell - Kristina Korsholm  
DIYSECT: Learning in Public - Mary Tsang, Benjamin Welmond  
Soluble Structures - Yuki Yoshioka  
History of the Automobile - Scott Dorsey  
Puppet Earth - Laurens Roorda & Thijs Molenaar





## 02. BIO-FICTION @ Waldkraiburg

### LOCATION:

Waldkraiburg, Germany

### DATE:

28th November 2014

### HOST:

Kreisjugendring Mühldorf am Inn

### DESCRIPTION:

Kreisjugendring Mühldorf am Inn hosted NERD NITE WALDKRAIBURG at the Schenkerhalle in late November. Camillo Meinhart of BIO-FICTION was present to give an introduction about Synthetic Biology and the ways it could potentially change our lives. Following the talk, a selection of BIO-FICTION short films were screened.

### LINKS:

[http://www.biofaction.com/wp-content/uploads/2012/10/Stinkendes\\_Bakterium\\_mit\\_Bananenduft.pdf](http://www.biofaction.com/wp-content/uploads/2012/10/Stinkendes_Bakterium_mit_Bananenduft.pdf)

<http://www.kjr-muehldorf.de/>

### FILMS PRESENTED:

Electrostabilis Cardium - Agi Haines  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Hybris - Arjan Brentjes  
 Synbio Ads: London - Benedikt Groß  
 Eugene - Catalina Hoyos-Restrepo  
 Beastliness - Deborah Kelly  
 The Arsehole Gene - Eric Romero  
 Decapoda Shock - Javier Chillon  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Zero Park - Sascha Pohflepp  
 Reinventing the Dodo - Steven van Eekelen  
 New Mumbai - Tobias Revell  
 Synthetic Biology: Synthetic Biology: A New Way in Evolution - Uwe Sleytr



### 03. BIO-FICTION @ Ljubljana (1)

#### LOCATION:

Ljubljana, Slovenia

#### DATE:

29th January 2015

#### HOST:

Centre for Social Studies of Science at the  
Faculty of Social Sciences of the University of Ljubljana

#### DESCRIPTION:

BIO-FICTION brought a selection of awarded short films to the Slovenian audience. The screening encouraged students and public to encompass and interpret various perspectives, dilemmas and expectations of synthetic biology and biotechnology. It is through film as a medium that this event strived to instigate reflection and public discussion on this sort of technology and its (future) place in society.

#### DISCUSSION:

The screening of short films was followed by an interdisciplinary round-table discussion between students and faculty members.

#### LINKS:

<http://www.bunker.si/eng/archives/6157>

#### FILMS PRESENTED:

Electrostabilis Cadium - Agi Haines  
Synbio Ads: London - Benedikt Groß  
I Wanna Deliver a Dolphin - Ai Hasegawa  
Living Food - Minsu Kim  
Decapoda Shock - Javier Chillon  
Eugene - Catalina Hoyos-Restrepo  
The Arsehole Gene - Eric Romero  
Reinventing the Dodo - Steven van Eekelen  
Copy & Clone - Louis Rigaud  
Puppet Earth - Laurens Roorda & Thijs Molenaar  
New Mumbai - Tobias Revell  
Hybris - Arjan Brentjes  
Synthetic Biology: Synthetic Biology: A New Way in  
Evolution - Uwe Sleytr  
Beastliness - Deborah Kelly  
Zero Park - Sascha Pohflepp



## 04. BIO-FICTION @ Berlin

### LOCATION & PARTNER:

Berlin, Germany

### DATE:

25th - 25th January 2015

### HOST:

Art & Science Node ASN

### DESCRIPTION:

The event consisted of the ASN exhibition with "BIO-FICTION@Berlin" and ASN Forum.

ASN exhibition screened a selection of films from our shortlisted film as well as other works of artists and scientists, among them Ursula Damm, Luis dos Santos, Ethan Shaftel, Uwe Sleytr, Clea T. Waite, and more.

ASN Forum is a platform for sharing interdisciplinary (artistic, humanistic, scientific) visions and concerns about the future(s).

The Forum was moderated by special ASN guests/ members.

### LINKS:

<http://transmediale.de/content/capture-the-futures>

<http://www.artscience-node.com/>

### FILMS PRESENTED:

Protocell Technology - Shamees Aden, Sam J Bond

The Outline of Paradise - Ursula Damm

Bacteria to the Future - Sam Ireland

Synthetic Biology: Synthetic Biology: A New Way in Evolution - Uwe Sleytr

Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit

Macrostructure - Eric Schockmel

Quasi Objects Cinematic Environment #8 - Lorenzo Oggiano

Living Food - Minsu Kim

Copy & Clone - Louis Rigaud



Top: Introduction to the screening



Top: Introduction to the screening



Top: Films being screened





## 05. BIO-FICTION Summer School @ Berlin

### LOCATION:

Berlin, Germany

### DATE:

26th February 2015

### HOST:

PaciTA conference

### DESCRIPTION:

Wolfgang Kerbe (Biofaction) and A. Khodzhaeva (ITAS/KIT) presented the Interactive BIO-FICTION Film Lounge at the PaciTA conference in Berlin on 26 February 2015.

A selection of films was shown from the BIO-FICTION Science Art Film Festival 2014, that were the basis of a number of group discussions on the future of synthetic biology and its ramifications for society. The session was held in a style similar to that of a world café. 21 participants from the TA community joined lively conversations on the content of the films and the associations they would find in the context of different visions of synthetic biology.

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
 BioFlaneur - Aleks Cicha  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Exploring Indonesia - Ari Dwijayanti  
 Copy and Clone - Louis Rigaud  
 Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel



## 06. BIO-FICTION @ Kiev

### LOCATION:

in Kiev, Ukraine

### DATE:

02nd - 03th April 2015

### HOST:

XIII International Scientific Conference of Young Scientists, SHEVCHENKIVSKA VESNA: LIFE SCIENCES at the National Taras Shevchenko University & Gymnasium

### DESCRIPTION:

A selection of films were presented within the framework of the XIII International Scientific Conference of Young Scientists at the National Taras Shevchenko University and was as well shown to pupils of the high school that is part of the campus followed by a discussion.

of people made up of informed specialists: biologists, sociologists, psychologists, chemists, managers, economics etc. to cover all aspects of possible effects on humankind and the environment to represent society as a whole.

### DISCUSSION & FEEDBACK:

Summary of students' feedback:

- Films shown represent realities of Synthetic Biology.
- Idea of Life Creation is not magical at all as everything in organisms can be understood but only limited by the resolution of its possibly complexity.
- Creation of new cells and life should be pushed as far as possible without creating defects.
- The responsibility of new kinds of life created through Synthetic Biology can not lie in the hands of biologists alone but should be decided upon by a diverse group

- If mistakes happen in the development of new organisms each research institution should have a special committee to deal with possible consequences, committee must consist of the same people who created these new organisms as they understand what they did.

- Possible problems may appear when scientists work on order from industry: immediately profitable outcomes might cause long-term consequences initially overseen by short term profit making. Controlling entities in this area will be vital to foresee future consequences and to inform industry about their long-term responsibilities.
- At the moment there are almost no collaborations between different fields of biology in Ukraine; room for improvement.



## FILMS PRESENTED:

Copy & Clone - Louis Rigaud  
The Arsehole Gene - Eric Romero  
Bacteria to the Future - Sam Ireland  
Hybris - Arjan Brentjes  
Macrostructure - Eric Schockmel  
New Mumbai - Tobias Revell  
Puppet Earth - Laurens Roorda & Thijs Molenaar  
Reinventing the Dodo - Steven van Eekelen  
Synbio Ads: London, Mintel - Benedikt Groß  
Vermin - Adi Gelbart  
Synthetic Biology in Europe - Biofaction

## LINKS:

<http://bio-knu.wix.com/bioshv2015>

<http://biology.univ.kiev.ua/departments/department-of-zoology/201-news/2446-bio-fiction-festival-2015.html>



Top: Pupils watching the screening



Top:: Follow up discussion with pupils from high school



## 07. BIO-FICTION @ New Delhi (1)

### LOCATION:

New Delhi, India

### DATE:

9th April 2015

### HOST:

Khoj International Artists' Association

### DESCRIPTION:

BIO-FICTION on Tour made stop at The Undivided Mind, a 6-week residency program at Khoj,

Dedicated to exploring the cross- over between two seemingly unrelated fields of Art and Science. This residency gives opportunities to individuals whose work already seeks to explore the ways in which scientific processes and discovery can be coupled with visual art production and vice-versa. The residency also seeks to open up new platforms for discovery and conversation between individuals and organizations with an interest in further developing knowledge about the intersections of Science and Art, through its public programs and outreach activities.

### FILMS PRESENTED:

Eugene - Catalina Hoyos-Restrepo  
 Synbio Ads: London - Benedikt Groß  
 Bio Flaneur - Aleks Cicha  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Living Food - Minsu Kim  
 Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 New Mumbai - Tobias Revell  
 Bioluminescent Streetlamps - Steven van Eekelen  
 The Arsehole Gene - Eric Romero  
 Hybris - Arjan Brentjes  
 Macrostructure - Eric Schockmel

### LINKS:

<http://khojworkshop.org/programme/the-undivided-mind-art-science-residency/>





Top: Live introduction by BIO-FICTION's Markus Schmidt



Top: Exchange after the screening



Top: Follow up discussion



## 08. BIO-FICTION @ Taipei (1)

### LOCATION:

Taipei, Taiwan

### DATES & HOSTS:

25th April 2015

### HOST:

Bioart.tw at HuaShan1914 Creative Park

### DESCRIPTION:

BIO-FICTION's first screening in Taipei took place at HuaShan1914 Creative Park and was hosted by Bioart.tw.

A selection of BIO-FICTION short films were screened followed by a discussion.

### LINKS:

<http://biofiction.bioart.tw>

### FILMS PRESENTED:

Hybris - Arjan Brentjes  
 Talking Life - Bàr Tyrmi/Rafael Linares  
 Bioplastic Fantastic - Johanna Schmeer  
 Copy & Clone - Louis Rigaud  
 Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit  
 System Synthetics - Maurizio Montalti  
 Living Food - Minsu Kim  
 History of the Automobile - Scott Dorsey  
 Protocell Technology - Shamees Aden, Sam J Bond  
 Expanded Self - Sonja Baümel  
 Reinventing the Dodo - Steven van Eekelen  
 New Mumbai - Tobias Revell  
 The Outline of Paradise - Ursula Damm



Images:

1st event: 25 April 2015 at HuaShan1914 Creative Park.







## 09. BIO-FICTION @ Seattle

### LOCATION:

Seattle, US

### DATE:

07th May 2015

### HOST:

ISB Institute for Systems Biology

### DESCRIPTION:

Institute for Systems Biology (ISB) in Seattle hosted the first-ever screening of BIO-FICTION in North America. More than 120 people attended the event, which took place as part of the South Lake Union Art Walk.

The film selection was curated by Allison Kudla and a committee that included Aron Thompson, Sui Huang, Nick Newcombe and Nitin Baliga. More than 8 hours of films, ISB considered three vectors as they made their selection criteria for the films focused on synthetic biology: Is it scientifically plausible and well-researched? Does it have practical use or benefit? Does it raise interesting questions?

ISB also included films that were visually stunning, provocative art projects, and/or scientific visualizations of processes happening at scales beyond their operating awareness. The film program ended with the documentary "Simply Complex," a well-made and entirely factual overview of the general state of research in genetics and health.

Dr. Lee Hood, President of ISB, moderated the panel and opened the screening with some interesting remarks on the importance of consilience across art, science and the humanities.

### PANEL DISCUSSION:

The panel consisted of Tom Skerritt, acclaimed American Actor and Co-founder of the Film School; Dr. Phillip Thurtle, Associate Professor in CHID and History at the University of Washington; Dr. Nitin Baliga, Professor, SVP & Director of ISB; and Dr. Allison Kudla, Interdisciplinary Artist and Designer in the Communications Department at ISB.

The panel discussed some of the interesting questions raised by the films and reflected on the complexities associated with biology at the intersections of engineering, technology and computation.

### AUDIENCE: QUESTIONS RAISED

Students raised thoughts as to why the videos on synthetic biology seemed to be distrustful or fearful.

The panel replied that it was likely that the artist's were distrustful of the motivations of the scientists and this is largely due to a lack of knowledge. IE: Fear of something powerful that isn't well understood. The discussion was then brought back to education and the need for an awareness of the modes of operation in other disciplines.

There was a follow-up question by a scientist in the audience who said she feels she has to keep her head down and do the work, and wondered why there aren't more places/forums for scientists to question and discuss the ethics of their work. She mentioned she was grateful for this program to be raising these questions.

## LINKS:

<http://isbmolecularme.com/bio-fiction-recap/>

<https://www.flickr.com/photos/90930918@N08/sets/72157650158000033>

## FILMS PRESENTED:

Copy & Clone - Louis Rigaud

Bioluminescent Streetlamps - Steven van Eekelen

Zero Park - Sascha Pohflepp

The Outline of Paradise - Ursula Damm

Proteo - Johanna Hoffmann-Dietrich

System Synthetics - Maurizio Montalti

Black Gold - Tim Clark and Frank Kolkman

Streichhölzer - David Hochgatterer

Living Food - Minsu Kim

Bioplastic Fantastic - Johanna Schmeer

Expanded Self - Sonja Baumel

Cytoplasmic Playgrounds - Markos Kay

Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel

Hybris - Arjan Brentjes

Life Spectrum - Paloma Dawkins

Simply Complex - Duguid Cameron



Top: Exchange after the screening;



Top:: Guests asking questions during the panel discussion





Left:: Actor Tom Skerritt was one of the featured panelists



Top: Video introduction by BIO-FICTION's Markus Schmidt & Camillo Meinhart



Top: Panel talk with Tom Skerritt; Dr. Phillip Thurtle; Dr. Nitin Baliga and Dr. Allison Kudla.





## 10. BIO-FICTION @ Helsinki

### LOCATION:

Helsinki, Finland

### DATE:

22nd May 2015

### HOST:

Lasipalatsi Näyttely

### DESCRIPTION:

Art and science are both practices that are based on intellectual creativity; they shape our experience, perception and knowledge of the world. Science and technology, being major societal and cultural activities, are potent forces which are transforming life and influence society on every level. Therefore, critical reflections of new technologies are important for developing our understanding, while artistic imaginations offer us new ways to interpret new realities. The Making\_Life exhibition at Lasipalatsi Näyttely presents the results of such a critical reflection. The exhibition also includes artefacts from workshop experiments and a selection of videos from the second BIO-FICTION Science Art Film Festival.

### FILMS PRESENTED:

Electrostabilis Cardium - Agi Haines  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Hybris - Arjan Brentjes  
 Synbio Ads: London - Benedikt Groß  
 Eugene - Catalina Hoyos-Restrepo  
 Beastliness - Deborah Kelly  
 The Arsehole Gene - Eric Romero  
 Decapoda Shock - Javier Chillon  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Zero Park - Sascha Pohflepp  
 Reinventing the Dodo - Steven van Eekelen  
 New Mumbai - Tobias Revell  
 Synthetic Biology: Synthetic Biology: A New Way in Evolution - Uwe Sleytr

### LINKS:

[http://bioartsociety.fi/making\\_life/exhibition/](http://bioartsociety.fi/making_life/exhibition/)





Top: Visitors at the exhibition and screening.



Top: Films are being screened as part of the exhibition.



Top: Exhibition and screening space.



## 11. BIO-FICTION @ Stuttgart

### LOCATION:

Stuttgart, Germany

### DATE:

3rd - 7th June 2015

### HOST:

Deutscher Evangelischer Kirchentag

### DESCRIPTION:

The Deutscher Evangelischer Kirchentag invited the public to attend a podium discussion about synthetic biology that included a screening of BIO-FICTION short films.

The event was one of the largest public discussions about synthetic biology in Germany so far with 1200 visitors attending. Attendees were part of a three hour event filled with talks and discussions led by a prominently staffed and interdisciplinary panel made up from members of science, society, politics and political consulting.

Following the panel talks a selection of BIO-FICTION short films were screened and were part of the critical discussion thereafter.

Various German media outlets covered the event, such as:  
<http://www.stuttgarter-zeitung.de/inhalt.debatte-ueber-synthetische-biologie-auf-dem-kirchentag-der-mensch-als-genialer-schoepfer.394564e0-185f-4734-b0fc-f874600744c6.html>

[http://www.deutschlandfunk.de/evangelischer-kirchentag-gesellschaftlich-relevante-signale.886.de.html?dram:article\\_id=321770](http://www.deutschlandfunk.de/evangelischer-kirchentag-gesellschaftlich-relevante-signale.886.de.html?dram:article_id=321770)

### FILMS PRESENTED:

Tom Judd - Bruce  
 Louis Rigaud - Copy & Clone  
 Steven van Eekelen - Reinventing the Dodo

### DISCUSSION:

After the talk and screening session, the audience was asked to voice their thoughts, questions and concerns. Some of the main topics from the audience were:

- A lot of questions were raised about the responsibility of future effects of synthetic biology. Are scientists aware of possible negative societal and environmental ramifications of synthetic biology?
- Why create new organisms instead of preserving and protecting the ones that already exist? (plants, animals)
- Does synthetic biology look for God?
- If one speaks about interdisciplinary research why do the teams around synbio only consist of biologists, chemists, IT-specialists etc but no sociologists, politicians or philosophers?

### LINKS:

<https://www.kirchentag.de/english.html>

<http://www.baden-wuerttemberg.de/de/service/presse/pressemitteilung/pid/von-den-toerichten-und-den-klugen-jungfrauen-theresia-bauer-auf-den-kirchentagen/>

[http://www.christ-in-der-gegenwart.de/aktuell/artikel\\_angebote\\_detail?k\\_beitrag=4495333](http://www.christ-in-der-gegenwart.de/aktuell/artikel_angebote_detail?k_beitrag=4495333)



Top: 1200 visitors attended the talks and screenings.



Top: Talk at the Deutscher Evangelischer Kirchentag





## 12. BIO-FICTION @ Karlsruhe

### LOCATION:

Karlsruhe, Germany

### DATE:

1st July 2015

### HOST:

State Museum of Natural History

### DESCRIPTION:

The ZAK | Centre for Cultural and General Studies at Karlsruhe Institute of Technology (KIT), city marketing Karlsruhe and the editor house Spektrum der Wissenschaft proudly presented the first »Karlsruhe Science Film Days« during EFFEKTE, the Karlsruhe Science Festival.

Screenings of and public discussions on science films of all kinds were held on three nights. For the »Karlsruhe Science Film Days«, the Vienna BIO-FICTION-Festival presented winners and finalists of the festival's last edition on July 1st at the State Museum of Natural History Karlsruhe. A night with 90 minutes filled with short films on advantages and disadvantages of Synthetic Biology, including animated films, documentaries and fiction.

### LINKS:

<http://karlsruhe-science-film-days.de/biofiction.html>

<http://www.zak.kit.edu/sciencefilmdays.php>

Video:

<https://www.youtube.com/watch?v=8ArYUVohG9A&list=PLoTmH5zybqlcpBdVXTwz3ZJ9hhghREB8t&index=1>

### DISCUSSION:

After the screening session, the audience discussed chances and risks of Synbio with cultural philosopher Katherina T. Zakravsky (BIO-FICTION jury member), KIT-Synbio-Expert Christopher Coenen and video artist Sascha Pohflepp. (In German).

### FILMS PRESENTED:

I Wanna Deliver a Dolphin - Ai Hasegawa  
 Bio Flaneur - Aleks Cicha  
 Hybris - Arjan Brentjes  
 Synbio Ads: London - Benedikt Groß  
 Eugene - Catalina Hoyos-Restrepo  
 The Arsehole Gene - Eric Romero  
 Macrostructure - Eric Schockmel  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 East End Journey - Lindsay Goodall  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Bacteria to the Future - Sam Ireland  
 Zero Park - Sascha Pohflepp  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Reinventing the Dodo - Steven van Eekelen  
 New Mumbai - Tobias Revell



## 13. BIO-FICTION Summer School @ Paris

### LOCATION:

Paris, France

### DATE:

16th - 17th April 2015

### HOST:

Pépinière interdisciplinaire CNRS-PSL  
"Domestication et Fabrication du Vivant"

### DESCRIPTION:

The tour stopped in Paris, as part of the workshop "Domestication/Fabrication of the Living and Science Fiction" workshop. A selection of films was used in an "Interactive BIO-FICTION Film Lounge", similar to the event in Berlin at PacITA and modeled after a World Cafe format. The workshop did not only concern itself with the philosophical issues of domesticating/fabricating life, but also with group discussions of ethical and societal issues that may arise from techno-scientific advances.

### FILMS PRESENTED:

New Mumbai - Tobias Revell  
The Arsehole Gene - Eric Romero  
Copy & Clone - Louis Rigaud  
Bioluminescent Streetlamps - Steven van Eekelen  
Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel  
Reinventing the Dodo - Steven van Eekelen

### Links:

[https://domesticationetfabricationduvivant.files.wordpress.com/2015/01/domestication\\_du\\_vivant\\_et\\_science-fiction\\_programme.pdf](https://domesticationetfabricationduvivant.files.wordpress.com/2015/01/domestication_du_vivant_et_science-fiction_programme.pdf)



Images: BIO-FICTION Summerschool Paris





## 14. BIO-FICTION Summer School @ Heidelberg

### LOCATION:

Heidelberg, Germany

### DATE:

8th - 20th June 2015

### HOST:

EMBL

### DESCRIPTION:

BIO-FICTION Summerschool took place as part of EMBO practical course 'Synthetic Biology in Action', a course that attempts to foster methodological interfaces between molecular biologists, physicists and engineers in order to design biological objects with new-to-nature properties. The program included a series of lectures by top experts in the field and an intensive experimental schedule.

As part of the program five of the shortlisted BIO-FICTION films were screened, discussed and reviewed within small working groups.

Finally there was a general discussion on the question: What role does the medium/representation in different media play in the perception of synthetic biology?

### FILMS PRESENTED:

New Mumbai - Tobias Revell

The Arsehole Gene - Eric Romero

Copy & Clone - Louis Rigaud

Reinventing the Dodo - Steven van Eekelen

Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel

### DISCUSSION:

Questions raised:

What are the societal and ethical issues that are addressed in the film?

What is the connection to SB?

What associations/impressions come up when watching the film?

### LINKS:

<http://www.embl.de/training/events/2015/SYN15-01/>





## 15. BIO-FICTION @ Taipei (2)

### LOCATION:

Taipei, Taiwan

### DATES & HOSTS:

15th - 16th August 2015 (two events)

### HOST:

as part of the Bio-Art exhibition 'Imaginary Body Boundary'  
at the Digital Art Center, National Taiwan Science Education Museum

### DESCRIPTION:

The festival stopped twice in Taipei with the help of our Taiwanese partners. After a successful first event, the second one was planned at a much larger scale and over the course of two days. The preparations for the second event took place at an exciting time in Taiwan, during a time of planned education reform, protests and sit-ins. In reflection, the discussions were planned to be highly interactive, through cooperative games of world-building and participants at the event chose different "roles" to take on.

### LINKS:

<http://biofiction.bioart.tw>

### FILMS PRESENTED:

#### Day 1

Puppet Earth - Laurens Roorda & Thijs Molenaar  
Tracked down by our genes - Gilbert Charles  
The Arsehole Gene - Eric Romero  
Vermin - Adi Gelbart  
Soluble Structures - Yuki Yoshioka  
Decapoda Shock - Javier Chillon  
I Wanna Deliver a Dolphin - Ai Hasegawa  
Expanded Self - Sonja Baümel  
History of the Automobile - Scott Dorsey  
Bacteria to the Future - Sam Ireland  
Exploring Indonesia - Adiguna Ari Dwijayanti  
Protocell Technology - Shamees Aden, Sam J Bond  
Bioplastic Fantastic - Johanna Schmeer  
Reinventing the Dodo - Steven van Eekelen  
The Outline of Paradise - Ursula Damm  
Copy & Clone - Louis Rigaud



## Day 2

Inorganica - Valerie Mellon  
 Stress-O-Stat - Howard Boland, C-LAB  
 Bacteria Compass - Howard Boland, C-LAB  
 Bio-Logic - Gunasekera, Maurizio Montalti Ting Lin,  
 Amy Chin  
 System Synthetics - Maurizio Montalti  
 Public Misunderstanding of Science - Bruce Gilchrist  
 DIYSECT: Learning in Public - Mary Tsang, Benjamin Welmond  
 Travelling Research Kit - The Extrapolation Factory  
 Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin  
 KATERED - Howard Boland, C-LAB  
 New Mumbai - Tobias Revell  
 Electrostabilis Cardium - Agi Haines  
 Quanticare - Amy Congdon, Jenny Lee, Ann-Kristen Abel  
 Talking Life - Bàr Tyrmi/Rafael Linares  
 Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit  
 Eugene - Catalina Hoyos-Restrepo  
 East End Journey - Lindsay Goodall  
 Hybris - Arjan Brentjes



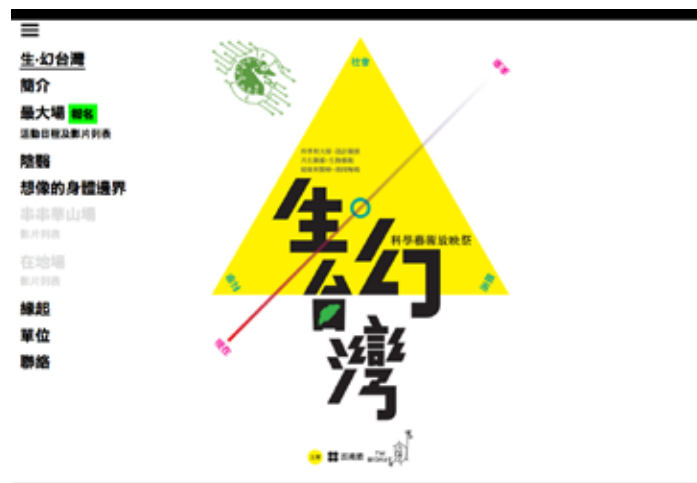
Images:  
Impressions from the 2nd Taipei event







Images:  
Impressions from the 2nd Taipei event



Top: Dedicated website for Taiwan event





Images:  
Impressions from the 2nd Taipei event





## 16. BIO-FICTION @ Yogyakarta (1)

### LOCATION:

Yogyakarta, Indonesia

### DATE:

11th September 2015

### HOST:

lifepatch, during MBMB

Supported by Hackteria.org, SynbioUGM, Biofaction

### DESCRIPTION:

First screening and discussion round during Mingapa Bigini Mingapa Bigitu an interdisciplinary collaborative production event hosted by lifepatch and friends.

Thanks to lifepatch for hosting at MBMB, iCAN for their venue, and hackteria, synbio UGM, biofaction and Afif Pranaya for making this event happen and guiding the discussion.

### FILMS PRESENTED:

Exploring Indonesia - Eric Schockmel

Copy & Clone - Louis Rigaud

Living Food - Minsu Kim

I Wanna Deliver a Dolphin - Ai Hasegawa

Bio Flaneur - Aleks Cicha

Bioluminescent Streetlamps - Steven van Eekelen

Hybris - Arjan Brentjes

New Mumbai - Tobias Revell

### LINKS:

<http://wlu18www30.webland.ch/wordpress/discourse/bio-fiction-yogya/>

[http://lifepatch.org/Mingapa\\_Bigini\\_Mingapa\\_Bigitu#SynBio\\_UGM](http://lifepatch.org/Mingapa_Bigini_Mingapa_Bigitu#SynBio_UGM)

<http://wlu18www30.webland.ch/wordpress/hackterialab/mbmb-yogyakarta/>



## 17. BIO-FICTION @ Yogyakarta (2)

### LOCATION:

Yogyakarta, Indonesia

### DATE:

22nd September 2015

### HOST:

PERMAHAMI (The Organization of Microbiology Students in UGM)  
Supported by Hackteria.org, SynbioUGM, Biofaction

### DESCRIPTION:

The second part of the BIO-FICTION screening in Yogyakarta at Universitas Gadjah Mada (UGM) involved more students groups and local microbiologists.

This event contained an introduction of the organization of microbiology students in UGM, who are also the organizers of the Bioartnergy festival/exhibition followed by a series of movie screenings and discussion with our speakers.

#### Speakers:

1. Nur Akbar Arofathullah (Lifepatch.org)  
On recombinant technology for the production of chimeric antibody drugs against dengue.
2. Marc Dusseiller Duszagr (Hackteria.org)  
On hackteria's history and various projects of DIY laboratory infrastructure... and coconuts.
3. Adhityo Wicaksono (Xenobiota)  
From Biohacking to Astrobiology, Speculative Path of Biology to Strange Side of Biology.

### FILMS PRESENTED:

New Mumbai - Tobias Revell  
Copy & Clone - Louis Rigaud  
Bacteria to The Future - Sam Ireland  
Bioluminescent Streetlamp - Steven van Eekelen

### LINKS:

[http://lifepatch.org/Mingapa\\_Bigini\\_Mingapa\\_Bigitu#SynBio\\_UGM](http://lifepatch.org/Mingapa_Bigini_Mingapa_Bigitu#SynBio_UGM)





## 18. BIO-FICTION @ Perth

### LOCATION:

Perth, Australia

### DATE:

4th October 2015

### HOST:

As part of the Neolife SLISA conference  
University of Western Australia (UWA)

### DESCRIPTION:

SymbioticA presented the highlights of the second BIO-FICTION Science, Art and Film Festival.

From mockumentary to pre-product placement, from affirmation to gamification, from gastronomic speciesism to economic autophagy, from naïve de-extinction to planned bio-obsolescence, the final selection of BIO-FICTION films is a unique resource in providing narratives for possible futures.

At the 4th of October 2015, SymbioticA screened a selection of the most outstanding BIO-FICTION short films, followed-up by an interactive panel discussion.

### LINKS:

[http://www.symbiotica.uwa.edu.au/\\_data/assets/pdf\\_file/0005/2793695/Neolife-DetailedProgram.pdf](http://www.symbiotica.uwa.edu.au/_data/assets/pdf_file/0005/2793695/Neolife-DetailedProgram.pdf)

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
Copy & Clone - Louis Rigaud  
Living Food - Minsu Kim  
Eugene - Catalina Hoyos-Restrepo  
Bioluminescent Streetlamps - Steven van Eekelen  
Hybris - Arjan Brentjes  
New Mumbai - Tobias Revell  
Exploring indonesia - Eric Schockmel  
Zero Park - Sascha Pohflepp  
Synbio Ads London - Benedikt Groß  
I Wanna Deliver a Dolphin - Ai Hasegawa  
Bio Flaneur - Aleks Cicha  
Bacteria to the Future - Sam Ireland  
East End Journey - Lindsay Goodall  
Puppet Earth - Laurens Roorda & Thijs Molenaar  
The Arsehole Gene - Eric Romero





## 19. BIO-FICTION @ Ubatuba

### LOCATION:

Ubatuba, Brasil

### DATE:

22nd - 23rd October 2015

### HOST:

As part of Abertura Tropixel Labs at Jardim Cultural

### DESCRIPTION:

In its fourth edition this year, Tropixel Labs works on the frontier between art, science, technology and society in Ubatuba / SP. Taking place from 22nd to 24th of October, following National Science and Technology Week, the event featured a screening of selected BIO-FICTION short films on two evenings, followed by discussions thereafter.

Organised by Karla Brunet (UFBA).

### LINKS:

<http://tropixel.ubalab.org/pt-br/bio-fiction>

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos-Restrepo  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Hybris - Arjan Brentjes  
 New Mumbai - Tobias Revell  
 Exploring indonesia - Eric Schockmel  
 Zero Park - Sascha Pohflepp  
 Synbio Ads London - Benedikt Groß  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Bio Flaneur - Aleks Cicha  
 Bacteria to the Future - Sam Ireland  
 East End Journey - Lindsay Goodall  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 The Arsehole Gene - Eric Romero



## 20. BIO-FICTION @ Poznan

### LOCATION:

Poznan, Poland

### DATE:

29th October 2015

### HOST:

Pracownia Projektów i Bada Transdyscyplinarnych with  
Klubem Nauki i Sztuki, Adam Mickiewicz University

### DESCRIPTION:

Three films were presented as part of the art & science event "Capture the Future(s): Evolution" at the Faculty of Biology of UAM University in Poznan. The festival embraced the scientific debate with a film program and art exhibition.

### FILMS PRESENTED:

Macrostructure - Eric Schrockmel  
Quasi-Objects / Cinematic Environment #8 -  
Lorenzo Oggiano  
Synthetic Biology: A New Way in Evolution - Uwe Sleytr

### LINKS:

<http://www.transdisciplinary-art.pl/artscience-club/>



## 21. BIO-FICTION @ Nijmegen

### LOCATION:

Nijmegen, Netherlands

### DATE:

7th November 2015

### HOST:

InScience - Dutch International Science Film Festival

### DESCRIPTION:

Dutch International Science Film Festival InScience will feature a BIO-FICTION special. A selected number of short films from the BIO-FICTION festival will be screened at InScience, followed by a discussion with scientists, filmmakers, artists and philosophers.

Official opening BIO-FICTION@InScience & introduction by Markus Schmidt (Skype)

### FILMS PRESENTED:

Public Misunderstanding of Science - Bruce Gilchrist

Bacteria to the Future - Sam Ireland

Bioluminescent Streetlamps - Steven van Eekelen

Inorganica - Valerie Mellon

Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel

Electrostabilis Cardium - Agi Haines

Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit

### LINKS:

<http://www.insciencefestival.nl/en/programma-onderdeel/bio%2%B7fictionnijmegen/>



## 22. BIO-FICTION @ Dublin

### LOCATION:

Dublin, Ireland

### DATE:

14th November 2015

### HOST:

as part of UCD Science Expression

### DESCRIPTION:

UCD Science Expression is Ireland's first and only dedicated science film festival; a dynamic public engagement programme invigorating conversation around science, technology, research and innovation through film and new media.

The event included the screening of 15 BIO-FICTION short films in collaboration with UCD Science Expression, as well as an introduction by film maker and Bio-fiction team member Camillo Meinhart.

### Links:

<http://www.ucdsienceexpression.ie/events/biofiction-short-programme/>

### FILMS PRESENTED:

Copy & Clone - Louis Rigaud  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 Electrostabilis Cardium - Agi Haines  
 Synbio Ads London - Benedikt Groß  
 Decapoda Shock - Javier Chillon  
 Synthetic Biology: A New Way in Evolution - Uwe Sleytr  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos-Restrepo  
 The Arsehole Gene - Eric Romero  
 Zero Park - Sascha Pohflepp  
 New Mumbai - Tobias Revell  
 Hybris - Arjan Brentjes  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Beastliness - Deborah Kelly  
 Reinventing the Dodo - Steven van Eekelen





## 23. BIO-FICTION @ Barcelona

### LOCATION:

Barcelona, Spain

### DATE:

23rd January 2016

### HOST:

CCCB (Centre de Cultura Contemporània de Barcelona)

### DESCRIPTION:

In the framework of the exhibition "Human+ The future of our species", the CCCB presents a selection of BIO-FICTION short films from the three categories of the festival: fiction, documentary and animation.

12.00 and 13.00

Screening of shorts for all audiences

17.00

Screening of a selection of short films

18.30

Round table moderated by María Boto with the participation of Núria Conde, biologist, Arturo Fuentes, scientist and filmmaker, and Andy Gracie, bioartista

19.45

Screening of the winning short films

### FILMS PRESENTED:

#### Morning screening:

Bioluminescent Streetlamps - Steven van Eekelen

Copy & Clone - Louis Rigaud

Cytoplasmic Playgrounds - Markos Kay

KATERED - Howard Boland, C-LAB

Macrostructure - Eric Schockmel

Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin

Quasi-Objects / Cinematic Environment #8 - Lorenzo Oggiano

Reinventing the Dodo - Steven van Eekelen

Inorganica - Valerie Mellon

Bioplastic Fantastic - Johanna Schmeer

Living Food - Minsu Kim

Streichhölzer - David Hochgatterer

Vermin - Adi Gelbart

Bio Flaneur - Aleks Cicha

Synbio Ads - London - Benedikt Groß

Synbio Ads - Mintel - Benedikt Groß

Protocell Technology - Shamees Aden & Sam J Bond

### Links:

<http://www.cccb.org/es/actividades/ficha/biofiction-science-art-film-festival/222671>



#### **Evening Animation screening:**

Beastliness - Deborah Kelly  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Cytoplasmic - Playgrounds Markos Kay  
 KATERED - Howard Boland, C-LAB  
 Macrostructure - Eric Schockmel  
 Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin  
 Quasi-Objects / Cinematic Environment #8 - Lorenzo Oggiano  
 Reinventing the Dodo - Steven van Eekelen

#### **Evening Documentary screening:**

East End Journey - Lindsay Goodall  
 Inorganica - Valerie Mellon  
 Puppet Earth - Laurens Roorda & Thijs Molenaar

#### **Evening Fiction screening:**

Bioplastic Fantastic - Johanna Schmeer  
 Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit  
 Expanded Self - Sonja Bäuml  
 Living Food - Minsu Kim  
 Streichhölzer - David Hochgatterer  
 Decapoda Shock - Javier Chillon  
 The Arsehole Gene - Eric Romero  
 Bio Flaneur - Aleks Cicha  
 Black Gold - Tim Clark & Frank Kolkman  
 Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel  
 Synbio Ads London - Benedikt Groß  
 Synbio Ads Mintel - Benedikt Groß  
 The Culturists - David Benqué  
 Protocell Technology - Shamees Aden & Sam J Bond

#### **Evening Winners screening:**

Copy & Clone - Louis Rigaud  
 New Mumbai - Tobias Revell  
 Hybris Arjan - Brentjes  
 Vermin - Adi Gelbart



## 24. BIO-FICTION @ Lausanne

### LOCATION:

Lausanne, Switzerland

### DATE:

16th February 2016

### HOST:

Forum for Genetic Research of the Swiss Academy of Sciences (SCNAT) and Life Sciences Switzerland (LS2)

### DESCRIPTION:

The Lausanne event was presented by the Forum for Genetic Research of the Swiss Academy of Sciences (SCNAT) in association with the BIO-FICTION Science, Art & Film Festival and Life Sciences Switzerland (LS2).

The event was opened with a movie session of selected BIO-FICTION short films.

The film program was followed by the symposium 'Research breakthroughs and social impact: Young scientists debate synthetic biology', following a round table discussion with Arnaud Gelb, Ari Sarfatis, Axel Uran, Vincent Jacquot (all EPFL), Tanja Jenkins (University of Lausanne), Priya Satalkar (University of Basel), Luca Chiapperino (University of Lausanne), Aksha Arasu (reach) and Sara Tocchetti (Centre Alexandre-Koyré, Paris) and an open discussion.

The event was moderated by Pia Viviani, Science & Cité.

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos - Restrepo  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Hybris - Arjan Brentjes  
 New Mumbai - Tobias Revell  
 Exploring Indonesia - Ari Dwijayanti  
 Zero Park - Sascha Pohflepp  
 Synbio Ads London - Benedikt Groß  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 BioFlaneur - Aleks Cicha  
 Bacteria to the Future - Sam Ireland  
 East End Journey - Lindsay Goodall  
 The Arsehole Gene - Eric Romero

### Links:

<http://www.naturalsciences.ch/organisations/geneticresearch/47219-research-breakthroughs-and-social-impact---young-scientists-debate-synthetic-biology>



## 25. BIO·FICTION @ Tokyo

### LOCATION:

Tokyo, Japan

### DATE:

20th February 2016

### HOST:

Institut français du Japon

### DESCRIPTION:

#### Outline of event:

13:00-15:30

Screening of BIO·FICTION short films

16:00-16:45

Presentation of the festival by Markus Schmidt (BIO·FICTION)

17:00-17:45

Presentation by Yoshimi Yashiro (on science fiction)

18:00-20:00

Discussion on bio-technology.

Speakers: Yoshimi Yashiro, David Benqué, Markus Schmidt, Moderator: Hideo Iwasaki

### FILMS PRESENTED:

#### Part 1

Soluble Structures - Yuki Yoshioka

Reinventing the Dodo - Steven van Eekelen

Copy & Clone - Louis Rigaud

Living Food - Minsu Kim

Eugene - Catalina Hoyos-Restrepo

Bioluminescent Streetlamps - Steven van Eekelen

Beastliness - Deborah Kelly

New Mumbai - Tobias Revell

Exploring indonesia - Ari Dwijayanti

The Culturists - David Benqué

#### Part 2

Synbio Ads London - Benedikt Groß

Streichholzer - David Hochgatterer

Bio Flaneur - Aleks Cicha

Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit

Decapoda Shock - Javier Chillón

The Arsehole Gene - Eric Romero

Public Misunderstanding of Science - Bruce Gilchrist

History of the Automobile - Scott Dorsey

Puppet Earth - Laurens Roorda & Thijs Molenaar

Synthetic Biology: A New Way in Evolution - Uwe Sleytr

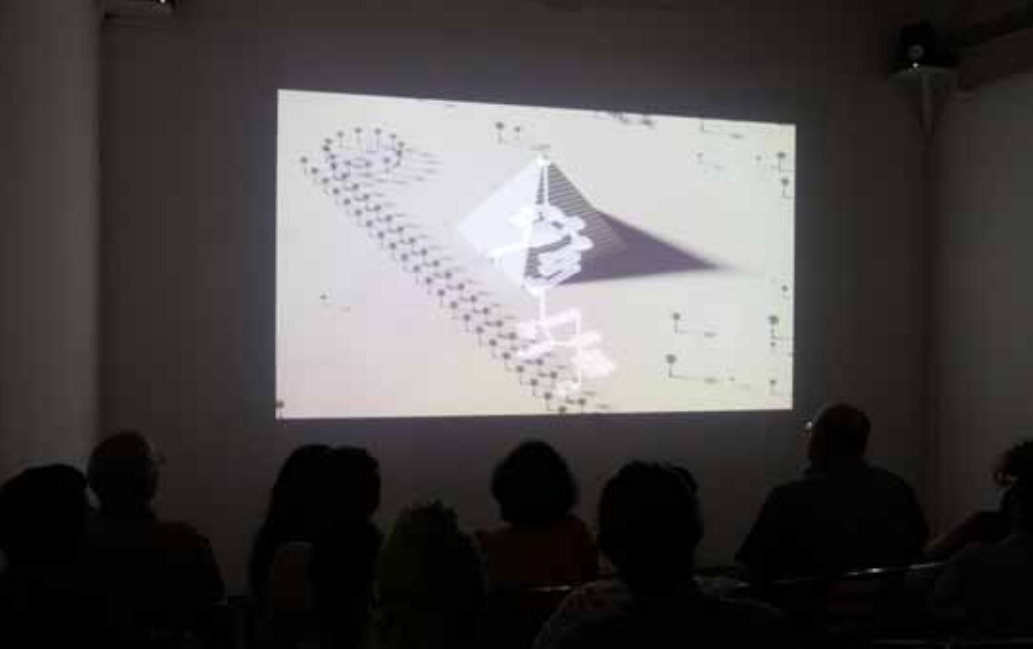
I Wanna Deliver a Dolphin - Ai Hasegawa

Hybris - Arjan Brentjes

### Links:

<http://www.institutfrancais.jp/tokyo/events-manager/bio-fiction/>





## 26. BIO-FICTION @ New Delhi (2)

### LOCATION:

New Delhi, India

### DATE:

15th April 2016

### HOST:

KHOJ International Artists' Association

### DESCRIPTION:

The second New Delhi BIO-FICTION screening took place as part of the Open Studio day for The Undivided Mind, Art & Science residency at Khoj.

The theme of the 2016 edition of The Undivided Mind was 'Health'. Within this broader framework, artists have been responding to three intersecting curatorial frameworks defined within Health systems.

The Open Studio featured works produced over a period of six weeks by resident artists, including one of our BIO-FICTION film makers, Johanna Schmeer.

### FILMS PRESENTED:

Synbio Ads London - Benedikt Groß  
 Bio Flaneur - Aleks Cicha  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos-Restrepo  
 Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 New Mumbai - Tobias Revell  
 Bioluminescent Streetlamps - Steven van Eekelen  
 The Arsehole Gene - Eric Romero  
 Hybris - Arjan Brentjes  
 Macrostructure - Eric Schockmel

### Links:

<http://khojworkshop.org/programme/the-undivided-mind-art-science-residency-2/>



## 27. BIO-FICTION @ Shanghai

### LOCATION:

Shanghai, China

### DATE:

14th & 21st May 2016 (two events)

### HOST:

Chronus Art Center

### DESCRIPTION:

As one of the most cutting-edge fields in twenty first century, the development of life science, and especially synthetic biology, has not only provided people the unprecedented capacity of life design, but also released the infinite potential of life as a form of artistic medium and created novel space for conversation. The event screens two parts of selected films from BIO-FICTION Science Art Film Festival which explore the possible futures of life enabled by advanced technologies.

Supported by: Bioart.tw, Ouroboros

### Links:

<http://www.chronusartcenter.org/en/screening-and-short-talk-bio-fiction/>

### FILMS PRESENTED:

Copy & Clone - Louis Rigaud  
 Hybris - Arjan Brentjes  
 New Mumbai - Tobias Revell  
 Vermin - Adi Gelbart  
 Electrostabilis Cardium - Agi Haines  
 Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel  
 System Synthetics Maurizio Montalti  
 Bacteria to the Future - Sam Ireland  
 Protocell Technology - Shamees Aden, Sam J Bond  
 Living Food - Minsu Kim  
 Bioplastic Fantastic - Johanna Schmeer  
 Expanded Self - Sonja Baumel  
 Chlorotherapy - Marie-Sarah Adenis & Hugo Kreit  
 Decapoda Shock - Javier Chillon  
 Talking Life - Bàr Tyrmi/Rafael Linares  
 Bio-Logic - Pras Gunasekera, Maurizio Montalti Ting Lin, Amy Chin  
 The Outline of Paradise - Ursula Damm  
 Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin  
 Soluble Structures - Yuki Yoshioka



## 28. BIO-FICTION @ Hong Kong

### LOCATION:

Hong Kong

### DATE:

8th & 11th June 2016 (two events)

### HOST:

part of Microwave International New Media Arts Festival:

8th June 2016, Chinese University of Hong Kong

11th June 2016, Hong Kong Space Museum

### DESCRIPTION:

Two sets of BIO-FICTION short films were screened as part of Microwave International New Media Arts Festival 2016. An introductory video was screened to introduce the field of synthetic biology as well as the BIO-FICTION festival.

The two screening sets focused on Fiction Narrative as well as Animation.

### FILMS PRESENTED (both events):

Macrostructure - Eric Schockmel  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Reinventing the Dod - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 Beastliness - Deborah Kelly  
 Cytoplasmic Playgrounds - Markos Kay  
 Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin  
 Bio-Logic - Maurizio Montalti  
 KATERED - Howard Boland  
 Proteo - Johanna Hoffmann-Dietrich  
 Life Spectrum - Paloma Dawkins  
 Quasi-Objects - Lorenzo Oggiano  
 Decapoda Shock - Javier Chillón  
 I wish my life - Joachim Huveneers  
 Eugene - Catalina Hoyos-Restrepo  
 Vermin - Adi Gelbart  
 Talking Life - Bàr Tyrmi & Rafael Linares  
 Hybris - Arjan Brentjes  
 The Arsehole Gene - Eric Romero

### Links:

[http://www.microwavefest.net/festival2016/Screening\\_Bio-faction1.html](http://www.microwavefest.net/festival2016/Screening_Bio-faction1.html)

[http://www.microwavefest.net/festival2016/Screening\\_Bio-faction2.html](http://www.microwavefest.net/festival2016/Screening_Bio-faction2.html)

<http://allevents.in/events/fiction-narratives-selection-presented-in-association-with-the-bio%C2%B7fiction-science-art-and-film-fest/173781739691293#>



## 29. BIO-FICTION @ Istanbul

### LOCATION:

Istanbul, Turkey

### DATE:

18th June 2016

### HOST:

Orient-Institut Istanbul

### DESCRIPTION:

BIO-FICTION presented a selection of films as part of the conference "upgrading nature, future bodies" (Upgrades der Natur, künftige Körper: Interdisziplinäre und internationale Perspektiven) in cooperation with the host, the Orient Institute Istanbul. The screening was followed by a spirited discussion in German and Turkish touching on topics such as medical potential, the intersections between science, art and science fiction, as well as visions of the future.

With the support of SYNENERGENE.

### FILMS PRESENTED:

Electrostabilis Cardium - Agi Haines  
 Synbio Ads London - Benedikt Groß  
 Synbio Ads Mintel - Benedikt Groß  
 New Mumbai - Tobias Revell  
 Living Food - Minsu Kim  
 Copy & Clone - Louis Rigaud  
 Eugene - Catalina Hoyos-Restrepo  
 Reinventing the Dodo - Steven van Eekelen  
 The Arsehole Gene - Eric Romero  
 The Culturists - David Benqué  
 Hybris - Arjan Brentjes

### Links:

<http://www.oiist.org/orient-institut/>

[https://melikesahinol.files.wordpress.com/2016/06/konferans\\_brosch\\_deu\\_interaktiv.pdf](https://melikesahinol.files.wordpress.com/2016/06/konferans_brosch_deu_interaktiv.pdf)





## 30. BIO-FICTION @ Amsterdam

### LOCATION:

Amsterdam, Netherlands

### DATE:

25th June 2016

### HOST:

Mediamatic Foundation

### DESCRIPTION:

An introduction by Markus Schmidt (Biofaction) and Willem Velthoven, founder of Mediamatic, outlined the field of synthetic biology as well as introduced the BIO-FICTION festival, followed by a screening of selected BIO-FICTION short films.

After the screening a panel discussion was led by Marjoleine van der Meij and Alejandro Tauber, followed by a Q&A with participating attendees.

### Links:

<http://www.mediamatic.net/416532/en/bio-fiction>

<https://allevents.in/amsterdam/bio-fiction-exploring-the-world-of-synthetic-biology/238687443175661>

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos-Restrepo  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Beastliness - Deborah Kelly  
 New Mumbai - Tobias Revell  
 The Culturists - David Benqué  
 Synbio Ads London - Benedikt Groß  
 Streichhölzer - David Hochgatterer  
 Bio Flaneur - Aleks Cicha  
 Decapoda Shock - Javier Chillón  
 The Arsehole Gene - Eric Romero  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Hybris - Arjan Brentjes



Impressions of the screening & discussion  
Images (c) Lisanne Groenewoud



Impressions of the screening & discussion  
Images (c) Lisanne Groenewoud





## 31. BIO-FICTION @ Amundsen–Scott South Pole Station

### LOCATION:

Amundsen–Scott South Pole Station, Antarctica

### DATE:

3rd July 2016

### HOST:

NSF (National Science Foundation)

### DESCRIPTION:

The Amundsen–Scott South Pole Station is a United States scientific research station at the South Pole, the southernmost place on the Earth. The station is located on the high plateau of Antarctica at an elevation of 2,835 metres (9,301 feet) above sea level and is administered by the Division of Polar Programs within the National Science Foundation under the United States Antarctic Program.

About 10-15% of the station's members attended the screening of selected BIO-FICTION films and engaged in a concluding discussion about synthetic biology in context to the presented films.

### Links:

<http://www.southpolestation.com/>

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekelen  
 Copy & Clone - Louis Rigaud  
 Living Food - Minsu Kim  
 Eugene - Catalina Hoyos-Restrepo  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Hybris - Arjan Brentjes  
 New Mumbai - Tobias Revell  
 Macrostructure - Eric Schockmel  
 Zero Park - Sascha Pohflepp  
 Synbio Ads London - Benedikt Groß  
 I Wanna Deliver a Dolphin - Ai Hasegawa  
 Bio Flaneur - Aleks Cicha  
 Bacteria to the Future - Sam Ireland  
 East End Journey - Lindsay Goodall  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 The Arsehole Gene - Eric Romero





## 32. BIO-FICTION @ Stavanger

### LOCATION:

Stavanger, Norway

### DATE:

12th August 2016

### HOST:

as part of Article Biennale

### DESCRIPTION:

This year's Article Biennial was presented in Stavanger. Exploring the emerging field of synthetic biology from different disciplinary angles including science and engineering, social science, cultural studies, amateur biology, film, art and design, BIO-FICTION was happy to present a selection of short films.

The film screening was followed by a panel discussion consisting of Fern Wickson (GenØk, UiT), Kristian Thorsen (UiS), Joe Davis (Harvard/MIT) and Jalila Essaïdi (BioArt Laboratories), led by the director of Biofaction, Markus Schmidt.

### FILMS PRESENTED:

Macrostructure - Eric Schockmel  
 Zero Park - Sascha Pohflepp  
 Copy & Clone - Louis Rigaud  
 Pet Genesis - Ingrid Hulskamp, Pras Gunasekera, Ting Lin, Amy Chin  
 Synthetic Biology: A New Way in Evolution - Uwe Sleytr  
 Puppet Earth - Laurens Roorda & Thijs Molenaar  
 Reinventing the Dodo - Steven van Eekelen  
 Bioluminescent Streetlamps - Steven van Eekelen  
 Decapoda Shock - Javier Chillon  
 Bioplastic Fantastic - Johanna Schmeer  
 Hybris - Arjan Brentjes

### Links:

<http://article.no/en/news/2016/program-article-2016>

<http://article.no/en/node/3205>

<http://article.no/en/node/3090>



## 33. BIO-FICTION @ Accra

### LOCATION:

Accra, Ghana

### DATE:

18th - 19th August 2016 (two events)

### HOST:

ACCRA [dot] ALT as part of Chale Wote Street Art Festival

### DESCRIPTION:

As part of the sixth edition of the CHALE WOTE Street Art Festival, taking place between August 15 - 21, 2016, BIO-FICTION short films were shown during two screening sessions.

In celebration of the fifth anniversary of the festival, the festival's theme is Spirit Robot, a constellation of art, energy, and passion that signifies the united capacity to create meaningful change in our communities and shift our realities into a more livable world for all.

### Links:

<http://accradotaltradio.com/2016/08/chale-wote-2016-downloadable-brochure/>

### FILMS PRESENTED:

#### DAY 1

The Culturists - David Benqué  
Soluble Structures - Yuki Yoshioka  
Stress-O-Stat - Howard Boland  
Inorganica - Valerie Mellon  
The Outline of Paradise - Ursula Damm  
System Synthetics - Maurizio Montalti  
New Mumbai - Tobias Revell

#### DAY 2

Synbio Ads Intel - Benedikt Groß  
Travelling Research Kit - The Extrapolation Factory  
Living Food - Minsu Kim  
I Wanna Deliver a Dolphin - Ai Hasegawa  
DIYSECT: Learning in Public - Mary Tsang & Benjamin Welmond  
Decapoda Shock - Javier Chillón  
Talking Life - Bàr Tyrmi & Rafael Linares  
Copy & Clone - Louis Rigaud  
Hybris - Arjan Brentjes



## 34. BIO-FICTION @ Bergen

### LOCATION:

Bergen, Norway

### DATE:

12th October 2016

### HOST:

as part of the 8th annual S.Net meeting  
at the University of Bergen

### DESCRIPTION:

S.Net hosted the 31st tour stop of BIO-FICTION Science Art Film Festival, serving up a potpourri of short films that explore the emerging field of synthetic biology from different disciplinary angles including science and engineering, social science, cultural studies, amateur biology, film, art and design.

Introductory video by Markus Schmidt, Biofaction.

The screening is followed by a panel debate and audience responses. Panel members are Christopher Coenen (ITAS, KIT), Karen Kastenhofer (ITA, Austrian Academy of Sciences), Catrine Kramer (Center for Genomic Gastronomy), and Fern Wickson (GenØk Centre for Biosafety). Moderator: Nora S. Vaage (SVT, UiB).

### FILMS PRESENTED:

Reinventing the Dodo - Steven van Eekele  
Living Food - Minsu Kim  
Simply Complex - Duguid Cameron  
I Wanna Deliver a Dolphin - Ai Hasegawa  
Expanded Self - Sonja Baumel  
Electrostabilis Cardium - Agi Haines  
System Synthetics - Maurizio Montalti  
New Mumbai - Tobias Revell  
Bioluminescent Streetlamps - Steven van Eekelen  
The Arsehole Gene - Eric Romero  
Copy&Clone - Louis Rigaud  
Hybris - Arjan Bentjes

### Links:

<http://www.uib.no/en/svt/101251/bio%C2%B7fiction-international-synthetic-biology-science-art-film-festival>





Impressions of the panel discussion





## 35. BIO-FICTION @ Ljubljana (2)

### LOCATION:

Ljubljana, Slovenia

### DATE:

9th December 2016

### HOST:

Centre for Social Studies of Science at the Faculty of Social Sciences of the University of Ljubljana

### DESCRIPTION:

For the second year in a row BIO-FICTION presented the Slovenian audience with a selection of award-winning short films that incorporate and interpret synthetic biology, as well biotechnology in a broader sense, in a variety of ways, including the related prospects, dilemmas and societal issues.

During the screening, the short animations and films touched on topics such as new practices and projects, the possibilities of environmental and waste bioremediation, (self)quantification and healthy lifestyle promotion, the potential risks of the mass engineering of plants and animals, the challenges of longevity, changed societal conditions, modes of activity and relationships due to new applications, etc.

### DISCUSSION:

The film screening was followed by a short panel discussion on the integration and importance of science and art in contemporary society. The event has thus successfully brought together experts from disciplinarily very diverse areas, who jointly discussed some of the current issues and challenges in the field of synthetic biology, biotechnology, applications, art and societally desirable progress with the wider public.

### FILMS PRESENTED:

Streichhölzer - David Hochgatterer  
 Synbio Ads Intel - Benedikt Groß  
 Preparing for Tomorrow - Nathan Burr  
 The Culturists - David Benqué  
 Bioplastic Fantastic - Johanna Schmeer  
 Inorganica - Valerie Mellon  
 Bioluminescent Streetlamps- Steven van Eekelen  
 System Synthetics - Maurizio Montalti  
 Talking Life - Bàr Tyrmi & Rafael Linares  
 Quanticare - Amy Congdon, Jenny Lee, Ann-Kristin Abel  
 Copy & Clone - Louis Rigaud  
 Hybris Arjan - Brentjes

### LINKS:

<https://www.synenergene.eu/resource/report-public-event-synthetic-biology-bioreality-and-biofiction-ljubljana-december-2016>

# CONTACT & IMPRESSUM

Produced by: Dr. Markus Schmidt and Camillo Meinhart, Biofaction KG

**Web:** [www.bio-fiction.com](http://www.bio-fiction.com)

**Contact:** [schmidt@biofaction.com](mailto:schmidt@biofaction.com)

BIO-FICTION was supported by the EC FP7 funded project SYNENERGENE.

Image credits (c) BIOFACTION or otherwise stated.

Additional credits below:

Page 10 Bellaria Kino (creative commons) Christian Mayrhofer

<https://www.flickr.com/photos/phreak20/5007606285>

Page 15 Ars Electronica (creative commons) Stadt Linz

[http://www.linz.at/presse/2008/200811\\_42665.asp](http://www.linz.at/presse/2008/200811_42665.asp)

Page 44 Perth Skyline (creative commons) wiki commons

[https://de.wikipedia.org/wiki/Perth#/media/File:Skyline\\_of\\_Perth,\\_WA\\_\(night\\_view\).jpg](https://de.wikipedia.org/wiki/Perth#/media/File:Skyline_of_Perth,_WA_(night_view).jpg)

Page 46 Adam Mickiewicz University (creative commons) wiki commons

[https://commons.wikimedia.org/wiki/File:Adam\\_Mickiewicz\\_University\\_on\\_%C5%9Aw%C4%99ty\\_Marcin\\_Street\\_in\\_Pozna%C5%84.JPG](https://commons.wikimedia.org/wiki/File:Adam_Mickiewicz_University_on_%C5%9Aw%C4%99ty_Marcin_Street_in_Pozna%C5%84.JPG)

Page 48 Dublin Skyline (creative commons) wiki commons

<https://en.wikipedia.org/wiki/Dublin#/media/File:Dublinfromstorehouse.jpg>

Page 60 Amundsen–Scott South Pole Station, Antarctica (creative commons) wiki commons

[https://en.wikipedia.org/wiki/Amundsen%E2%80%93Scott\\_South\\_Pole\\_Station#/media/File:SouthPoleStationDestinationAlpha.jpg](https://en.wikipedia.org/wiki/Amundsen%E2%80%93Scott_South_Pole_Station#/media/File:SouthPoleStationDestinationAlpha.jpg)

Page 61 Stavanger (creative commons) wiki commons

[https://de.wikipedia.org/wiki/Stavanger#/media/File:V%C3%A5gen\\_-\\_b%C3%A5tar.jpg](https://de.wikipedia.org/wiki/Stavanger#/media/File:V%C3%A5gen_-_b%C3%A5tar.jpg)

Page 62 Bergen (creative commons) wiki commons

[https://en.wikipedia.org/wiki/Bergen#/media/File:Bergen\\_2013-06-15-2470.jpg](https://en.wikipedia.org/wiki/Bergen#/media/File:Bergen_2013-06-15-2470.jpg)

Page 64 Chale Wote Festival 2015 (c) Yofi Grant

<http://accradotalradio.com/2016/08/chale-wote-2016-downloadable-brochure/>



# BIO·FICTION

SCIENCE      ART      FILMFESTIVAL

BIO·FICTION Science, Art & Film Festival  
23/10/14 - 25/10/2014 - Vienna, Austria