
CREATIVITY & CURIOSITY



A collaboration between Artists and Astronomers



IONE PARKIN RWA

Magnetic Turmoil, mixed media on paper, 40 x 34cm

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BERLIN SCIENCE WEEK 2018

1st - 30th November 2018

Zeiss-Grossplanetarium,
Prenzlauer Allee 80,
10405 Berlin, Germany



UNIVERSITY OF
LEICESTER

Imperial College
London



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Cover images

GILLIAN MCFARLAND Glass

IONE PARKIN RWA Painting

'Creativity and Curiosity' is an art/science project led by UK contemporary artists, **Gillian McFarland** and **Ione Parkin RWA**, in connection with astrophysicists, cosmologists and planetary geologists. They have developed a body of artwork exploring the rich imagery of space, engaging in creative dialogue with researchers and gaining new insights into the dynamic forces of the universe. This artist-led project involves astronomers from the **University of Leicester**, the **Institute of Astronomy**, Cambridge, **Imperial College**, London and **Cardiff University**.

Ione Parkin's large-scale paintings express her fascination about the early formation of the universe; massive clouds of cosmic dust and gas; vast webs of colour and shimmering light; luminous visions of immensity. Her textured mixed-media works on paper are inspired by planetary surfaces, solar dynamics, extremes of temperature and geological process. They resemble samples of undiscovered moons.

Gillian McFarland has been working with experimental glass-blowing techniques producing multiple 'space globes' that echo ideas of expansion, rotation, extreme heat and contraction of raw materials using silica, nitrates and UV-sensitive uranium glass. (Collaborating artist: **Graeme Hawes**). Her collagraph prints and punctured paper works explore orbit tracking across otherwise untouched space.

This exhibition features collaborating artists from The Netherlands, **Daniela De Paulis** (Astronomers Without Borders) and **Collette Rayner**. Daniela's work 'Le Voyage dans la Lune' is inspired by the homonymous film by French director George Melies. This video is composed by 26 Moon-reflected images of the Lunar phases and has been realized using the 'Visual Moonbounce' technology, conceived and developed by the artist. Collette works with film, animation, drawing and text. Her work focuses upon the presence of expectation and the promise of response within verbal and non-verbal acts of transmission.

The artists are expressing a lateral, not literal, response to the scientific research - a physical, tactile experience rather than an explanation. Parallels of process have emerged between the artists and scientists - an excitement about uncertainty, ambiguity and anomaly - a desire not just to observe but to look beyond.

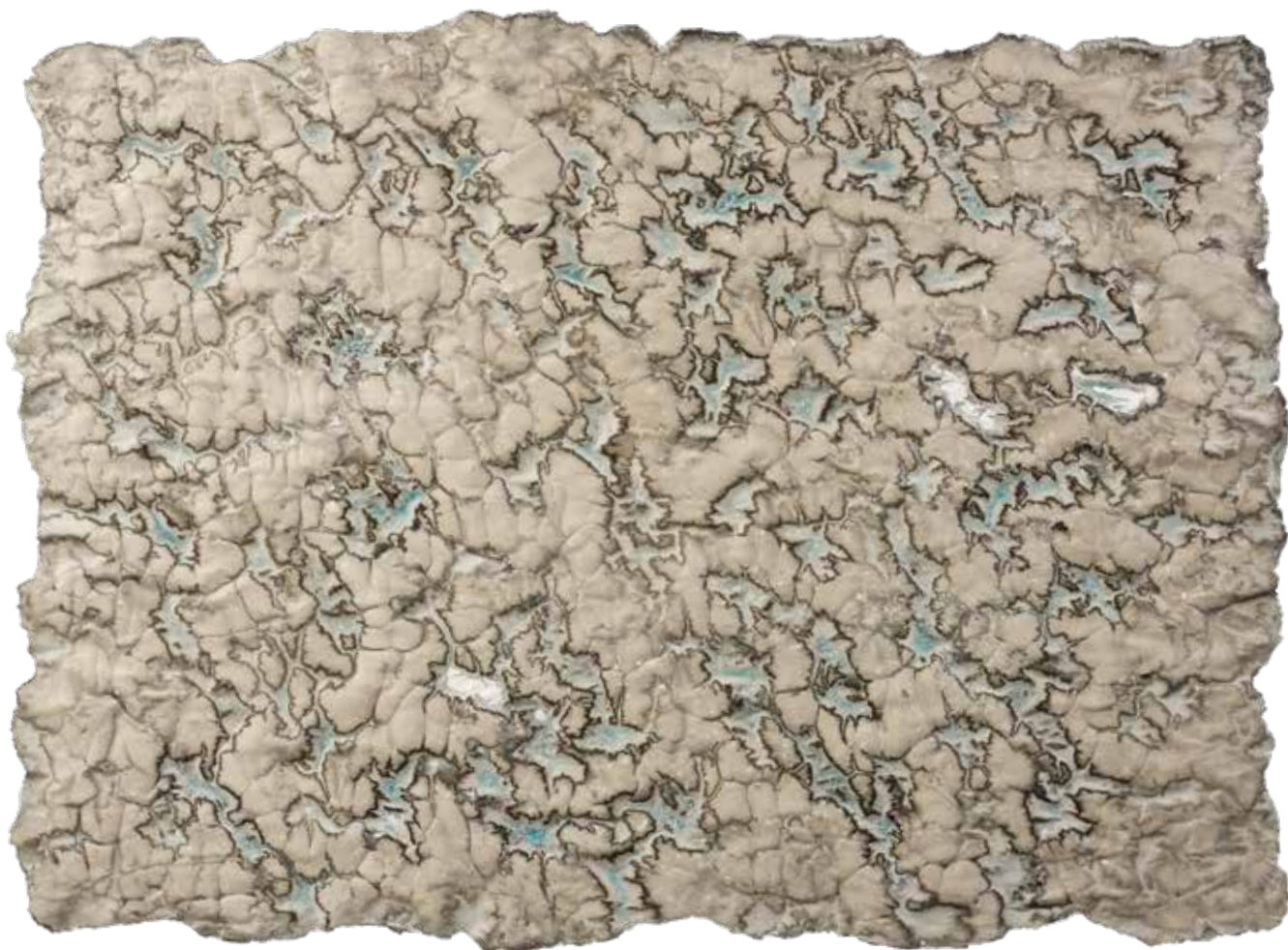
“**Kreativität und Neugier**” ist ein Kunst- und Wissenschaftsprojekt, geleitet von britischen Künstlerinnen, **Gillian McFarland** und **Ione Parkin**, gewähltes Mitglied der Royal West of England Academy (RWA) in Verbindung mit Astrophysikern, Kosmologen und Planetengeologen. Sie haben eine Sammlung von Kunstwerken entwickelt, die die reiche Bilderwelt des Weltraums erkunden, einen kreativen Dialog mit Forschern führen und neue Einblicke in die dynamischen Kräfte des Universums gewinnen. Astronomen der **Universität Leicester**, des **Instituts für Astronomie** in Cambridge, des **Imperial College** in London und der **Universität Cardiff** nehmen an diesem von Künstlern geleiteten Projekt teil.

Ione Parkin's großformatige Gemälde drücken ihre Faszination für die frühe Bildung des Universums aus; massive Wolken aus kosmischem Staub und Gas; riesige Netze aus Farbe und schimmerndem Licht; leuchtende Visionen der Unermesslichkeit. Ihre texturierten gemischten Medienarbeiten auf Papier sind von planetaren Oberflächen, der Dynamik der Sonne, extremen Temperaturen und geologischen Prozessen inspiriert. Sie ähneln Proben von unentdeckten Monden.

Gillian McFarland hat mit experimentellen Glasblastechniken gearbeitet, die mehrere “Weltraumkugeln” erzeugen, die Ideen von Expansion, Drehung, extremer Hitze und Kontraktion von Rohmaterialien unter Verwendung von Siliziumdioxid, Nitraten und UV-empfindlichem Uranglas widerspiegeln. (Mitarbeitender Künstler: **Graeme Hawes**). Ihre Collagraphdruckformen und punktierten Papierarbeiten erkunden die Umlaufbahnverfolgung über ansonsten unberührten Raum.

Die Künstler drücken eine querdenkende, nicht wörtliche Reaktion auf die wissenschaftliche Forschung aus - keine Erklärung, sondern eine physische, greifbare Erfahrung. Parallelen des Prozesses der Künstler und Wissenschaftler sind entstanden - eine Begeisterung über Unsicherheit, Mehrdeutigkeit und Anomalie - ein Wunsch, nicht nur zu beobachten, sondern darüber hinauszusehen.

Diese Ausstellung zeigt zusammenarbeitende Künstler aus den Niederlanden, **Daniela De Paulis** (Astronomen ohne Grenzen) und **Collette Rayner**.



IONE PARKIN RWA

Otherworlds, mixed media on paper, 84 x 110cm



IONE PARKIN RWA

Galaxy Formation, mixed media on paper, 84 x 110cm



IONE PARKIN RWA

Mars Study (detail), mixed media on paper, 40 x 34cm



IONE PARKIN RWA

Sub-zero Surface (detail), mixed media on paper, 40 x 34cm



IONE PARKIN RWA

Solar Study I (detail), mixed media on paper, 40 x 34cm



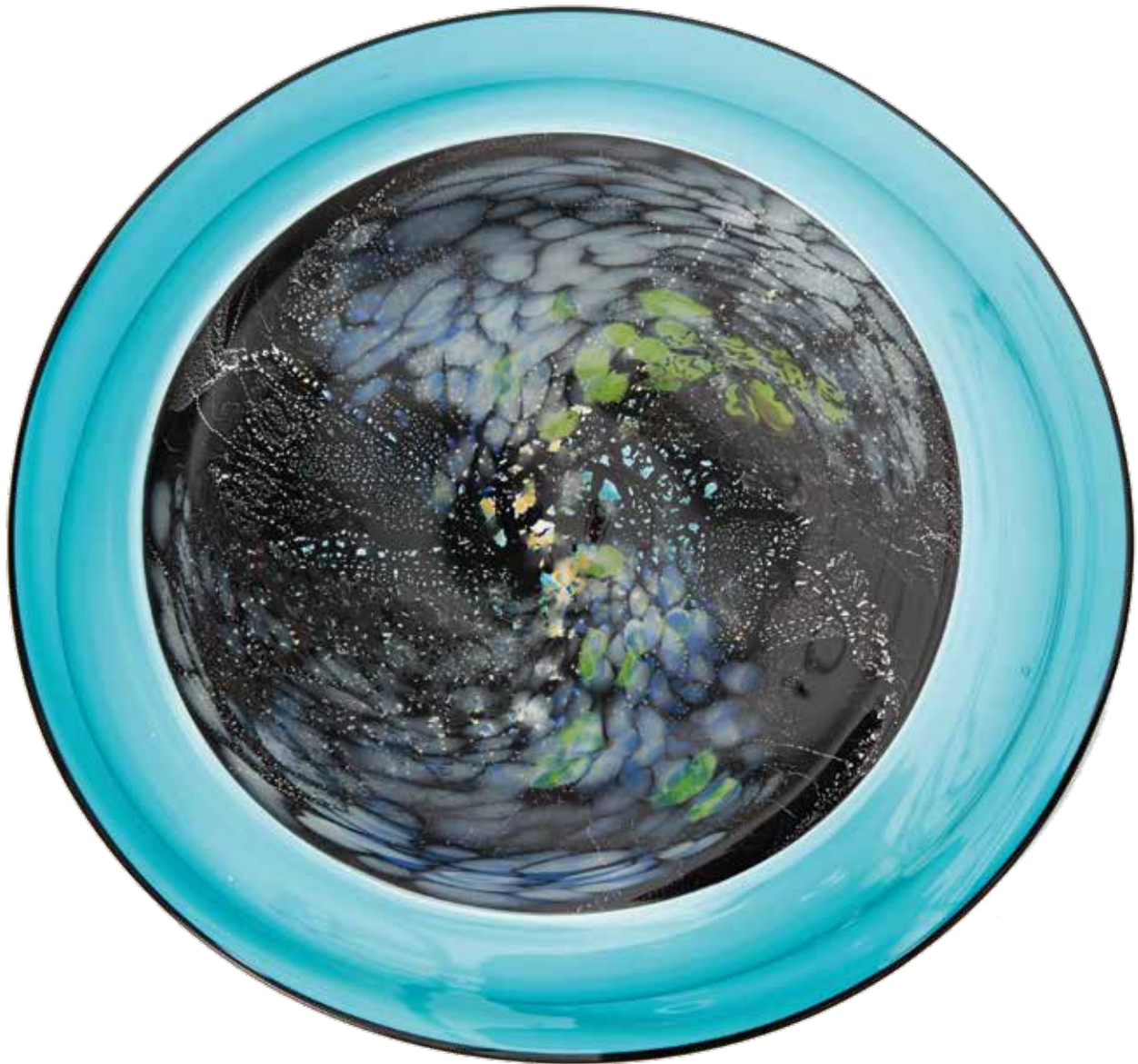
IONE PARKIN RWA

Solar Study IV (detail), mixed media on paper, 40 x 34cm



GILLIAN MCFARLAND

Space Globes I and II, blown glass and nitrates



GILLIAN MCFARLAND
Spinning Galaxies, blown glass and nitrates



GILLIAN MCFARLAND
Discrete Points, punctured paper



GILLIAN MCFARLAND
April Moon, unique print



GILLIAN MCFARLAND
Sequential Distortions, Blown Glass

ACKNOWLEDGEMENTS

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PRESENTATIONS

- Royal Astronomical Society,
London, October 2018
(Ione Parkin)
- National Astronomy Meeting
European Week of Astronomy
and Space Science (NAM/EWASS)
2018, ACC Liverpool (Ione Parkin)
- Space Lates evening, National
Space Centre, Leicester, UK
(March 2018) (Ione Parkin)
- Road to the Stars 2017:
INSAP X/Oxford XI/SEAC 25th
Santiago de Compostela, Spain
(September 2017) (Ione Parkin)
- MA Art, Science and Critical
Thinking module Duncan of
Jordanstone College of Art,
Dundee (October 2017)
(Ione Parkin)
- National Astronomy Meeting
(NAM) 2016, Nottingham
(Gillian McFarland)
- Panel Discussion, Cambridge
Science Festival 2017

CREATIVITY & CURIOSITY EXHIBITIONS

Zeiss-Grossplanetarium,
Berlin (November 2018)

Visions of Science,
University of Bath (October 2018)

National Space Centre,
Leicester (April 2018)

IScience Exhibition
Blyth Gallery, Imperial College,
London (November 2017)

Road to the Stars 2017: INSAP X/
Oxford XI/SEAC 25th Santiago
de Compostela, Spain
(September 2017)

Cambridge Science Festival 2017
Josef Hamied Centre,
Christ's College, Cambridge

PUBLICATIONS

- Astronomy &
Geophysics Magazine
December 2016

Royal Astronomical
Society London
- IScience Magazine
Imperial College London
- Creativity & Curiosity Catalogue
November 2017

To find out more visit:

www.creativityandcuriosity.com

www.berlinscienceweek.com



GILLIAN MCFARLAND

Gillian McFarland, Space Globe (group)

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