

A week-long symposium on all things dance + science: Physiotherapy + healthy dancer | Dance + the environment | Movement + the ageing body | Cognitive Thinking | Film CSIRO Discovery Centre + Canberra Dance Theatre + National Film & Sound Archive www.csiro.au/dance Welcome to the DANscienCE Festival

the world. We have a wide array of artists and scientists presenting over the nine day gathering and many skyping in from the UK and USA as well. As Choreographer in Residence at CSIRO, I am privileged to be working with such a wealth of science and research talent as well as the wonderful people from both CSIRO Discovery Centre and the National Science Week team. Science and movement are all around us

Welcome to the DANscienCE Festival – a conversation of dance and science from across Australia and

and we are delighted to be joined by so many experts to bring these connections to life. Liz Lea **Festival Director**

I have long been excited by the interesting things that occur at the nexus of the sciences and the arts. These two are closer than most people imagine, being about the search for purity and beauty and

answers. Having a choreographer in residence at the CSIRO this past year has been a revelation. I had long thought of the interactions between science and photography, film, illustration, because these things happen every day in the laboratory in the name of science, and at CSIRO Discovery we have been exploring science through other visual arts media, including painting, sculpture and performance. What has been exciting has been the learning process as we explore the marriage that science and dance

Cris Kennedy

naturally share. One informs the other. We are very much looking forward to the conversation about that relationship over the course of our nine days of DANscienCE and hope you come along and join in. **Director, CSIRO Discovery Centre**

Cover image: Australian Ballet School Dancer Dylan Tate Photographer: Jim Hooper 2008

Contents Program Saturday 10 August Science Smorgasbord + opening event Sunday 11 & Monday 12 August

Physiotherapy + Healthy Dancer focus **Tuesday 13 August** International Focus | filmed **Wednesday 14 August** Free Flight | Ornithology focus Thursday 15 August **Ecology focus** Friday 16 August **Mature Movers** Saturday 17 August Cognitive thinking | Psychology focus

Fluid Flows – Researcher Dr John Young and choreographer Liz Lea will explore the characteristics of flows in nature - the contrasts between steady and unsteady, slow and human body. [Discovery Theatre] 2.15 – 3.15 pm

[Discovery Theatre]

[Discovery Theatre]

DAY 2 - SUNDAY II AUGUST

PHYSIOTHERAPY & HEALTHY DANCER FOCUS

Lunch break

[CSIRO Discovery]

DAY 3 - MONDAY IZ AUGUST

[Canberra Dance Theartre]

PHYSIOTHERAPY & HEALTHY DANCER FOCUS - PART 2

designs. [CSIRO Discovery]

dance technique. [CSIRO Discovery]

+ CSIRO DISCOVERY THEATRE

Screen Film Festival. [NFSA]

[Discovery Theatre]

[Discovery Theatre]

+ NATIONAL FILM & SOUND ARCHIVE

[CSIRO Discovery]

PhD candidate Eliza Hafiz. [CSIRO Discovery]

DANSCIENCE KICKS OFF WITH A SCIENCE SMORGASBORD

+ ATRIUM AT CSIRO DISCOVERY

+ ALL LECTURES IN CSIRO DISCOVERY THEATRE

commentating on what his body and brain are going through!

DNA Danced – Rebecca Clunn talks about DIY DNA Visualization – a biohackers guide and preliminary protocol to visualization human DNA. In the opening weekend of the festival Clunn

Come and watch Guinness World Record holder Jack Riley attempt to break his world record for the most forward rolls in one minute on the lawn outside Discovery with scientists

is in residence taking dancers dna for analysis during the week. [Discovery Theatre]

our bodies and reveal how to choreograph your own Schlieren! [Discovery Theatre]

Science and the National Gallery of Australia – NGA Textile Conservator, Jane Wild, shares the procedures behind the conservation and restoration of costumes from the famed Ballet Russes

talk about famed Parisian dancer Jane Avril, who lived with chorea; and the healing power of dance. With a performed re-imagining of Avril's dance and Parisian music with Chrisse Shaw.

Lani Smales, Belly dancer and avaitrix, outlines the science behind flight and aerial acobatics.

performances from across Australia and the world – book early to avoid disapointment! Tickets \$25 www.csiro.au/dance [Atrium at Discovery]. For more information see page 18.

Sunday 18 August

Saturday 10 August

Thursday 15 August Ecological | performance event

VENUES

10.00 – 11.00 am 11.00 am – 12.00 pm

12.00 – 1.20 pm

4.00 – 5.20 pm

5.30 – 5.50 pm

VENUES

9.30 - 11.00 am

11.00 – 11.30 am

2.00 - 2.30 pm

2.30 – 3.30 pm

3.30 – 4.00 pm

4.15 – 5.15 pm

 $6.00 - 7.30 \, \text{pm}$

7.30 pm

VENUES 10 – 11 am

11.15 am - 12.15 pm

12.15 – 1.15 pm

1.15 – 2.00 pm

2.00 – 3.00 pm

3.15 – 4.00 pm

4.15 - 5.15 pm

VENUES

10.00 – 11.00 am

12.00 – 1.00 pm 1.00 – 2.20pm

2.30 – 3.30 pm

3.45 – 5.00 pm

11.30 am - 12.30 pm

12.45 - 1.45 pm

2.00 - 3.30 pm

3.30 - 4.30 pm

4.45 – 5.45 pm

6.00 - 7.30 pm

11.30 am - 12.30 pm

12.45 – 1.45 pm

5.00 - 6.00 pm

7.00 pm

Film Event | Dance Science, Dance Memories

Festival launch performance + opening event

DAY I - SATURDAY IO AUGUST

4.30 – 5.30 pm Panel Session: Sewing CSIRO Seeds – art workshop making seeds for CSIRO seeds performance. [CSIRO Cafe area] 6.00 - 6.30 pm Spores to Seeds + BUD! – performance in Discovery Theatre inspired by the Seed Bank held at the National Botanical Gardens made for and by children and young people, living with and without a disability; drumming and costumes abound! Directed by Sue Jones and Kay Armstrong. [Discovery Theatre]. For more information see page 18. DANscienCE Festival launch at CSIRO Discovery. A delightful mix of science-inspired dance 7.00 pm

+ ALL LECTURES IN CSIRO DISCOVERY THEATRE

+ PANEL DISCUSSION AT CANBERRA DANCE THEATRE STUDIOS

Getting to the Pointe – A New Approach to Prepare for Pointe Work – How to get there and stay on pointe safely (for Grade 4 upwards) – the JuonPointe team from New Zealand detail their patented method of correctly and safely fitting pointe shoes.[CSIRO Discovery]

iHeart Music – your heart beat will be sent to the The Museum of Human Disease, where leading Australian musicians will create a live streamed score! You will be able to receive your heart beat recording as an MP3 file, view live cardiac ultrasounds and hear from heart experts.

Atlas Sports and Dance Physiotherapy – Leading, Canberra based physiotherapist, Roz Penfold will ask...'What do successful internationally renowned ballet and contemporary dancers, World champion triathletes, and Olympians have in common?' [CSIRO Discovery]

Dancing with Down Syndrome – a performance by the CDTeens will be followed by talks from

Margaret Senior, Kay Armstrong and Roz Penfold about how dance and movement benefit everybody of all abilities and how dancers with special needs need to take a special approach.

Panel Discussion – how different dance techniques place different demands on the body with demonstrations from local dance practitioners. Panel chaired by Liz Lea and Roz Penfold.

+ RECEPTION AT CANBERRA DANCE THEATRE STUDIOS

Dancing in the skies – the Art of Aerial Aerobatics

[CSIRO Discovery] 11.45 am – 12.45 pm Dancing with Parkinsons – two renowned teachers from the internationally-acclaimed Dance for PD® (Parkinson's Disease) program will share the philosophy and practices of this program – an arts-based approach to enrich and transform the lives of people with Parkinson's disease. [CSIRO Discovery] Freedom in Action - Dance and the Alexander Technique - Michael Stenning will touch on 1.00 - 2.00 pm the anatomy of elastic, responsive whole-body coordination; how this relates to dancing freely, safely, with accuracy; and the relationship between movement and breathing. [CSIRO Discovery]

iHeart Music – a repeat of today's 11.00 am show. [CSIRO Discovery]

Reception to welcome participants. [Canberra Dance Theatre]

+ ALL LECTURES IN CSIRO DISCOVERY THEATRE

Femoral Torsion/Turnout – The influence of femoral torsion, hip range of motion, strength and stability on lower limb injury in dancers – a cross-sectional study from

Is it really necessary to destroy your shoes before you dance in them? [CSIRO Discovery] If the Jazz Shoe fits! - PhD candidate Alycia Fong Yan's research explores the mechanical

Lunch break – Showing two short films from Dance UK's Healthier Dancer Progam.

properties of jazz shoes and how different designs can affect dance performance, pointing and jumping. Accompanied by a representative from Bloch Australia, demonstrating five different

Jumping and correct alignment – Professor Gordon Waddington and Liz Lea look at the science of injury prevention. Working with high-speed video imaging they will analyse movement to identify movement patterns that might lead to injury and its prevention, through correct

Measuring core strength – Professor Gordon Waddington will measure dancers core strength with an ECG (electrocardiogram) sonar machine and discuss the need for a strong core when dancing.

CSIRO nutrition and the body – CSIRO nutritionist Pennie Taylor addresses the dietary needs of

Science Danced! Flying Facts! – Schools show exploring the Science of Flight celebrating the 85th Anniversary of Charles Kingsford Smith and Charles Ulm's Record Breaking Transpacific flight in 1928. Flight, feathers, experiments and movement abound with archival film! Ages 5 – 16 yrs. [Discovery Theatre]

mins. (G) showing at National Film and Sound Archive as part of the Dance Memories / Silver

Wayne McGregor: Going Somewhere – a documentary by Catherine Maximoff. 'Wayne McGregor never looks behind. This British choreographer multiplies experiences that are

his research material, he feeds them: during a workshop led by a doctor in neurology or during his residence in a small British township school, dancers turn out to be researchers themselves.

India: Dance of Life – a celebration of Indian science. Inspired by the history of Indian science, from Brahmagupta and Aryabhata to Charaka, Bhaskara and the scientists of the 20th century. The Dance of Life by Mrinalini Sarabhai creates in dance visual meaning from abstractions. Seguences include the discovery of the place holder zero, the early development of algebra,

+ Janis Claxton Dance – Australia/Scotland presents *Chaos and Contingency,* a performance based on the study of emergent mathematical patterns. Small variants initiate changes, patterns evolve and dissolve, revealing both simplicity and complexity within the piece. + Ian Colless – Australia/New York; Bird Study is about saying goodbye. The journey of a relationship, the end and the beginning of something new. Renewal in relationship and

the discovery and development of Ayurveda, and the work of Vikram Sarabhai.

+ A collection of Dance your PhD films from across the world! [Discovery Theatre]

feathers, experiments and movement abound with archival film! Ages 5 – 16 yrs. [Discovery Theatre]

life and the ecosystems – *Bluebird* + *InFlight* + *Kapture*. [Discovery Theatre]

Flight of Feathers – Liz Lea will talk about her work inspired by her research at CSIRO into bird

Magnificus Magnificus – Liz Lea, Tammi Gissell and Denis Saunders will talk about the research they have undertaken to create a new dance solo inspired by the Red-tailed Black Cockatoo.

Lunch and showing of Winged Migration – Documentary on the migratory patterns of birds, shot over the course of three years on all seven continents. Directed by Jacques Cluzaud, Michel

Feather & Tar – Tammi Gissell discusses the development of her groundbreaking Indigenous

BIRDS – MADE Artistic Director Glen Murray will discuss the creation of BIRDS, an immersive performance installation that weaves together the work of respected Tasmanian fibre artist Gwen Egg and the Tasmanian birdsong score of composer Ron Nagorcka; high quality contemporary dance theatre by mature adults for audiences of all ages. [Discovery Theatre]

Ecological – performance event – Tammi Gissell + Liz Lea + Orr & Sweeney + Rachael Hilton

Anniversary of Charles Kingsford Smith and Charles Ulm's Record Breaking Transpacific flight in 1928. Flight, feathers, experiments and movement abound with archival film! Ages 5 – 16 yrs. [Discovery Theatre] Bonemap – known for its ecological and artistic lenses, Cairns-based company Bonemap uses

the intersection of an environmental setting, with its diverse cultural inter-relationships, to

SandSkin/BloodWater - Orr & Sweeney - by considering that dance co-incides with ecology we enable our everyday body movements to be an exchange with place. After a project work with WA farmers devastated by flooding, Orr & Sweeney address conscious movement as

body, working with south coast artist Tony Sweeting and cellular imaging from the ANU Research

DANscienCE Artist in Residence – Aimee Smith talks about her current research and focus on

Virtuosi – Created by award-winning choreographer and dance film maker Sue Healey, with

music by jazz legend Mike Nock, Virtuosi is a feature length documentary about the drive to be an artist and the special nature of virtuosity in dance. Destined for greatness, eight New Zealand dance artists all left their homeland in their youth to pursue careers around the world. Virtuosi dances ideas across many cities and cultures - New York, Berlin, London, Brussels and

Lisa Wilson's Lake will tour to over 50 venues in 2014. An excerpt of this extraordinary work shows a stage in flood, exploring our fascination and fear with water, its beauty and

reflect on and illuminate a continuing dialogue with people, identity and place.

+ Holly Diggle + Zsuzsi Soboslay + Tony Sweeting + Richard Johnson + Bonemap.

Gulf of Mexico in particular the iconic images of pelicans caught in the wake of oil.

cabaret evening created in response to the devastation of the *Deepwater Horizon* oil spill in the

10.45 am – 12.00 pm *FUNNY FACE* – starring Fred Astaire and Audrey Hepburn. Dir: Stanley DONEN, USA, 1956, 103

JuonPointe "Dancers' Rituals" - Safe Practice for your Feet & Pointe shoes.

dancers and athletes for premium training, performance and well being. [CSIRO Discovery] 5.30 - 6.30 pm Bodies In Motion: A Biomechanical Perspective on Dance – Are artistic and scientific ways of viewing the body as different as they seem? Chicago-based Chris Knowlton explains movement as an intrinsic means of identification and asks, "Do science and dance merely intersect at isolated points or does each have the potential to be a tool for better understanding of the other field?"

[CSIRO Discovery]

DAY 4 - TUESDAY 13 AUGUST

INTERNATIONAL FOCUS – FILMED

[CSIRO Discovery]

FREE FLIGHT- ORNITHOLOGY FOCUS + ALL LECTURES IN CSIRO DISCOVERY THEATRE VENUES 10.00 – 11.00 am Science Danced! Flying Facts! – Schools show exploring the Science of Flight celebrating the 85th Anniversary of Charles Kingsford Smith and Charles Ulm's Record Breaking Transpacific flight in 1928. Flight,

[Discovery Theatre]

[Discovery Theatre]

[Discovery Theatre]

[Discovery Theatre]

DAY 5 - WEDNESDAY IY AUGUST

community strength against outside predictors.

Debats and Jacques Perrin. [Discovery Theatre]

DAY 6 - THURSDAY IS AUGUST ECOLOGY FOCUS + ALL LECTURES IN CSIRO DISCOVERY THEATRE **VENUES** + NATIONAL FILM & SOUND ARCHIVE 10.00 - 11.00 am Science Danced! Flying Facts! - Schools show exploring the Science of Flight celebrating the 85th

1.45 - 2.30 pm Lunch break 2.30 - 3.30 pm SubMarine – Dean Walsh presents a talk about his practice bringing dance, diving and marine conservation practices together. Including a simulcast of an open rehearsal in Tasmania and a Q & A between science and dance audiences in both Canberra and Hobart. [Discovery Theatre] 3.45 – 4.45 pm Inside/Outside: re-thinking our biology – Canberra-based dance ecologist and performer/ researcher Zsuzsi Soboslay discusses the nexus between science and the lived experience of the

School of Biology. [Discovery Theatre]

destruction. [Discovery Theatre]

Australia. [NFSA]

[Discovery Theatre]

[Discovery Theatre]

[Discovery Theatre]

+ NATIONAL FILM & SOUND ARCHIVE

DAY 7 - FRIDAY IG AUGUST

MATURE MOVERS

VENUES

10.30 – 11.30 am

11.45 am – 12.45 pm

12.45 – 1.45 pm

2.00 - 3.00 pm

 $3.00 - 3.30 \, \text{pm}$

3.45 - 4.45 pm

4.30 - 5.30 pm

9.30 - 10.30 am

10.30 – 11.30 am

11.30 am – 12.30 pm

12.30 - 1.00 pm 1.00 – 2.00 pm

2.00 – 2.30 pm

3.00 pm

7.30 pm

VENUES

4.30pm

Special note:

DAY 9 - SUNDAY 18 AUGUST

FILM EVENT – DANCE SCIENCE, DANCE MEMORIES

Dance Science, Dance Memories

6.00 pm

her time during the festival in residence at QL2 Dance Studios.

topography. [Discovery Theatre]

Meg Millband for the DANscienCE Festival. [Discovery Theatre] DAY 8 - SATUADAY 17 AUGUST COGNITIVE THINKING/PSYCHOLOGY FOCUS **VENUES** + ALL LECTURES IN CSIRO DISCOVERY THEATRE

+ CSIRO DISCOVERY THEATRE + ATRIUM AT CSIRO DISCOVERY CSIRO Seeds – performance by young people living with and without a Disability. Two new 6.00 pm commissions especially for the DANscienCE Festival and National Science Week [Atrium at Discovery]

DAY I - SATURDAY IO AUGUST

FESTIVAL LAUNCH PERFORMANCES

DAY 5 - WEDNESDAY 14 AUGUST ECOLOGICAL I PERFORMANCE EVENT

Principal sponsors

VENUES

6.00 pm

performance spaces. [NFSA]

Performers include Tammi Gissell, BoneMap, Orr & Sweeney, Troupe Olabasi, Rachael Hilton, DanceNorthside and Zsuzsi Soboslay, Holly Diggle, with Tony Sweeting, Richard Johnson. *bring warm clothing and an enquiring mind to keep the winter chill at bay! There will be an outdoor cafe open with soups and warm beverages. [CSIRO Discovery Grounds]

DANscienCE With thanks to our many venues, sponsors, presenters and participants, we look forward to an exciting National Science Week. To guide you through our program and get you to our sessions, please note the following information. Venues **CSIRO Discovery** North Science Road, Acton, ACT.

Ph 02 6246 4646. www.csiro.au/discovery Open weekdays 9 am to 5 pm, weekends 11 am to 3 pm CSIRO Discovery Café is open for breakfast from 7.30 am weekdays and serves delicious lunchtime meals. Weekends the café is open 11 am to 3 pm. **How to get there:** CSIRO Discovery is on Clunies Ross St near the corner of Barry Drive, opposite the ANU campus. This is a 15-minute walk from the city. The closest bus stop (for 300 series Action buses running between Canberra City and Belconnen) is on Barry Drive

near the corner of Clunies Ross Street. Computer-assisted directions: Type 'CSIRO, North Science Road, Acton' into your satellite navigation system. On Google Maps: -35.2.273136,149.114819 Parking: There is ample free parking on the CSIRO site. **Canberra Dance Theatre** Lena Karmel Building, ANU

www.canberradancetheatre.org

Ph 0435 035 365

McCoy Cct, Acton, ACT.

Ph 02 6248 2000. www.nfsa.gov.au

10 am to 4.30 pm.

Corner of Barry Drive and Kingsley Street, Civic (City West)

National Film & Sound Archive and Arc Cinema

Open weekdays 9 am to 5 pm, weekends 11 am to 3 pm

Teatro Fellini Café is a fully licensed venue open weekdays 9 am to 5 pm, Sat 11.30 am to 7.30 pm and Sundays (snacks only)

How to get there: NFSA is a 10-minute walk from Canberra City. By bus, Action Buses No 3 and No 81 stop at Edinburgh Ave. There is a free Centenary Loop bus (No. 100) throughout 2013, and the NFSA stop comes directly after the National Museum of Australia. Parking: Paid visitor parking can be found at the Ellery Cresent entrance to NFSA. Limited free parking also available locally.

+ ALL LECTURES IN CSIRO DISCOVERY THEATRE Mature Artists Dance Experience – MADE Artistic Director Glen Murray provides mature adults with dance and theatre skills development as well as highly aesthetic performance outcomes that offer audiences an alternative view of contemporary dance and the mature body in a performance context. [Discovery Theatre] to induce dendrites to sprout and stem cells to convert to neurons, thus reducing the risk of

dementia and assisting those living with it to re-engage in life. [Discovery Theatre] GOLD – Liz Lea and Jane Ingall will discuss how Canberra Dance Theatre established the GOLD

company in 2011 with an ACT Health Grant for people over 55 to improve their health through dance, movement and social engagement. Still going strong they plan to tour to the UK in 2014.

Worldview - a showing of video clips of Mature Dance companies from around the world.

The public health perspective of dance in ageing population – Dafna Merom, nationally and internationally known expert in the area of physical activity and public health discusses how

In-Tensity, Narration and Cognition in Social Dance – Jonathon Skinner from Queen's University Belfast will skype in live to share his percpective on the mature dancer and social dance.

Premiere of Canberra Dance Theatre's GOLD company's new work – special commission by

dance is affecting older peoples' health and well being. [Discovery Theatre]

* Preceded by Healey's *Once in a Blue Moon* (Dir: Sue Healey, Aust., 2006, 12 mins); a collaboration between some of Australia's leading dancers and their mothers.

learning and chronic pain as aspects of her work with adolescent dancers at The Australian Ballet School. [Discovery Theatre] occurring when bodies watch other bodies in motion. How do audiences register tension, speed, emotion, relationships whilst viewing live dance? [Discovery Theatre] New approaches to documenting, analysing and creating dance using motion capture technology – Professor Kim Vincs presents a paper exploring the issues inherent in developing motion capture tools for dancers and choreographers, drawing on developments at Deakin University's Motion.Lab over the last four years. [Discovery Theatre] We dance what we remember: Memory in perceiving and performing – Professor Catherine Stevens discusses experiments that investigate memory for action and dance and aligns them together with current views of embodied knowledge. [Discovery Theatre]

Wrap up talk with Cris Kennedy, Director of CSIRO Discovery and Liz Lea, Festival Director.

Sound Archive as part of the Dance Memories / Silver Screen Film Festival. *Preceded by a performance by Canberra Dance Theatre's GOLD company. [NFSA]

+ FILMS SCREENING AT NATIONAL FILM & SOUND ARCHIVE

Directed: Wim Wenders, Germany, 2011, 104 mins, DCP/3D, (G)

A selection of early experiments in dance cinema, including Norman McLaren's Par du deux (1968, 13 mins, 16mm) and Martha Graham's Kodachrome colour *The Flute of Krishna* (USA, 1926, 7 mins, 16mm), courtesy George Eastman House film archive, accompanied by live music.

documentaries in between or around his features. They're often passion projects and tributes to friends, collaborators and mentors. *Pina* celebrates choreographer Pina Bausch; the genius behind dance pieces such as Café Muller or Kontakthof and one of the pioneers of a less technical, more performance/theatre-based approach to modern dance. Bausch died suddenly just before *Pina's* production; but there were generations of dancers willing to speak of their admiration for her Wuppertal Tanztheater, plus Wenders' 3D record of her distinct use of

New Germany Cinema director Wim Wenders has continued to turn out personal

Presented in collaboration with CSIRO, National Science Week and Scinema.

National Science Week in residence at QL2 Studios working with local dancers.

DANscienCE Festival artists in Residence Aimee Smith (WA) and Liesl Zink (QLD) will spend

Free | Naomi Ota's (VIC)/Japan stunning feather/paper installation created for Liz Lea's InFlight will be installed at CSIRO Discovery and artist Rebecca Clunn (QLD) will be analysing Dancer's DNA.

and seeds, we celebrate the vital relationships between plants and animals and now this has shaped our world created by Sue Jones/Dance Kids with dancers from DanceCity and Farrer

Director, Cris Kennedy will dive into the wide range of talks and presentations on offer during the week followed by performances and film showings from local, national and internationally based artists including: Liz Lea & Co dancers Alison Plevey and Melanie Palomares, Adelina Larsson, David Pereira ,Holly Diggle, Sam Vuolo, Christopher Knowlton, MADE and more special

Ecology Performances – inspired by ornithology and the landscape this performance moves through the CSIRO outdoors area in a series of insitu performances by local and international dance artists, including film and projection and live music. All the works respond to the environment in uniquely different ways and these series of performances create a rich environment of performance research in a one off performance, lit by Karen Norris.

Supporting sponsors

DANCE PD

Cult of Arc: Mad Scientist Double-bill – MANIAC AND BRAINSTORM

LADIES AND GENTLEMEN OVER 65 - World-renowned choreographer Pina Bausch was reviving one of her most acclaimed works, Kontakthof (or 'Dance Hall') – but this time it would be performed by 'mature' amateurs. *Damen und Herren ab 65* Dir: Lilo MANGELSDORFF, 2002, 70 mins, video, German with English subtitles, (unclassified 18+) showing at National Film and

The NFSA's celebration of cinematic mad genius returns to mark the CSIRO's Scinema science film festival. Maniac (USA, 1934, 16mm, 51 mins). It's a chilling Poe/Lovecraft inspired tale of a vaudeville mimic who puts his skills to use assisting a mad scientist re-animate the dead. Brainstorm (Dir: Douglas TRUMBULL, USA, 1983, 35mm, 104 mins) is now best known as Natalie Wood's final film, playing the wife of a scientist (Christopher Walken) who has developed a method to tap into and record human brain functions. Total running time 155 mins, (M). [NFSA]

Conversations with the neuromotor system - Janet Karin will discuss motor imagery, motor

Primary School and Telopea School Drummers. Commissioned by CSIRO Discovery and National Science Week. [Atrium at Discovery] their survival. The dancers bring their personal stories, memories and thoughts about the important relationships in their lives and how the idea of helping each other can benefit both a Disability. Kay has been commissioned by Canberra Dance Theatre with funding from the 2013 Inclusive Participation Funding Program (IPFP). [Atrium at Discovery]

guests tbc! [Atrium at Discovery & Discovery Theatre]

+ CSIRO DISCOVERY GROUNDS

NATIONAL GALLERY

OF AUSTRALIA **Discovery**

> fl⊛urish **UNSW** dance LIBRARY Ticketing Unless listed below, sessions are free and open to all ages. No reservations necessary. Seating is open and should we be

> > reserve your seat in advance.

UNSW

BLOCH

DANscienCE Festival Launch (CSIRO Discovery) - Sat 10 August 6.30 pm - Tix \$25 available at www.csiro.au/dance Science Danced! 3 shows on one ticket (CSIRO Discovery) -Tues 13, Wed 14 & Thu 15 August at 10 am – Tix \$7 General/\$5 Students available at www.csiro.au/dance Funny Face (Arc Cinema) – Tues 13 August 10.45 am – Tix \$5 (for over 50s, with proof of age card)/\$11 General Admission available at the door. Advance bookings during office hours on 02 6248 2000. Ladies and Gentlemen Over 65 (Arc Cinema) – Sat 17 August 3 pm – Tix \$5 (for over 50s, with proof of age card)/\$11 General Admission – available at the door. Advance bookings during office hours on 02 6248 2000. Cult of Arc: Mad Scientist Double-bill (Arc Cinema) – Sat 17 August 7.30 pm – Tix \$5 (for over 50s, with proof of age card)/\$11 General Admission – available at the door. Advance bookings

lucky enough to reach capacity for any session, seating is on a

during office hours on 02 6248 2000. Dance Science, Dance Memories (Arc Cinema) – Sun 18 August 4.30 pm – \$11 General Admission – available at the door. Advance bookings during office hours on 02 6248 2000. Unless listed here, films (shown at CSIRO Discovery) are rated G for General Viewing. Some of the content for our non-film events might be adult in concept (dementia, cognitive thinking, etc) but all sessions unless otherwise specified are all-ages. Access information All DANscienCE venues have wheelchair access. If you require assistance with your seating or have special requirements, call the venue numbers listed above.