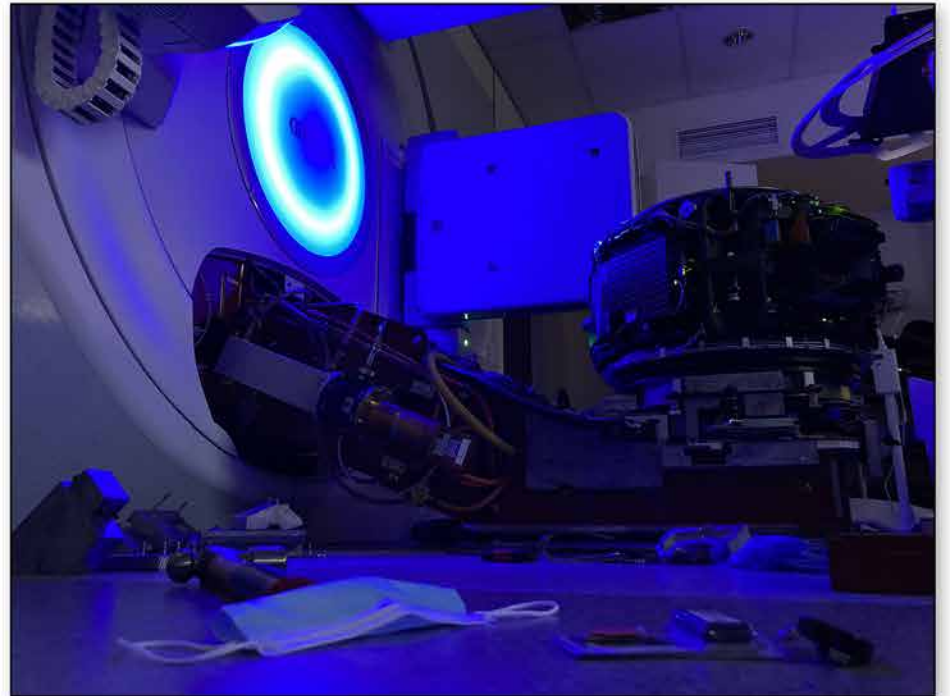




Art in Science and Engineering in Medicine - 2022



(from left clockwise)
Reza Alinaghizadeh - Geo Distortion
Madeline Carr - Entanglement
Dean Cutajar - Setting Up

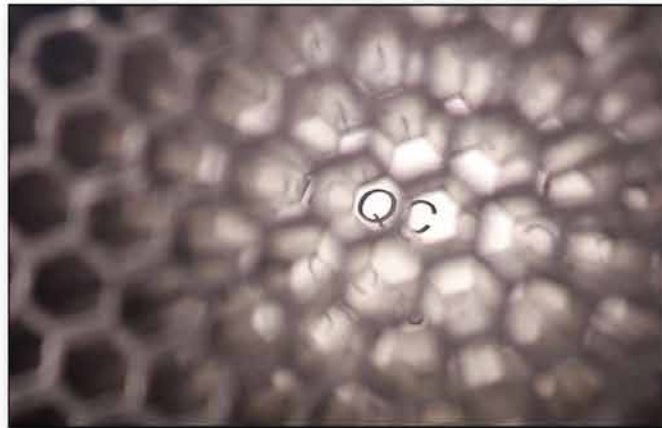
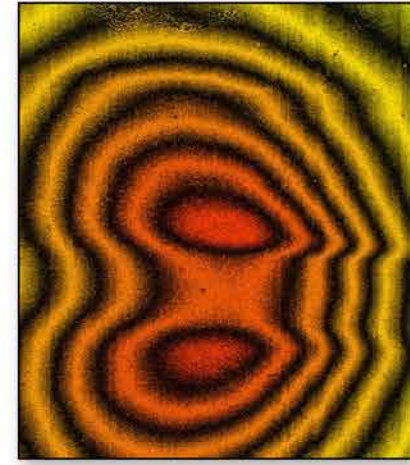
Cover - Design by Joerg Lehmann, including images from Duncan Butler, Atousa Montaseri, Daniel Badger, Reza Alinaghi and Claudiu Porumb

JANUARY 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
30	31					1 New Year's Day
2	3 New Year's Day Holiday	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26 Australia Day	27	28	29



(from top left clockwise)
Dean Cutajar - Blood Moon Eclipse
M Douglass and C Bridger - TrueBeam Waveguide Leakage 3
Madeline Carr - Research goes on
I Kostourkov - QC On Target

FEBRUARY 2022

Art in Science and Engineering in Medicine



SUN

MON

TUE

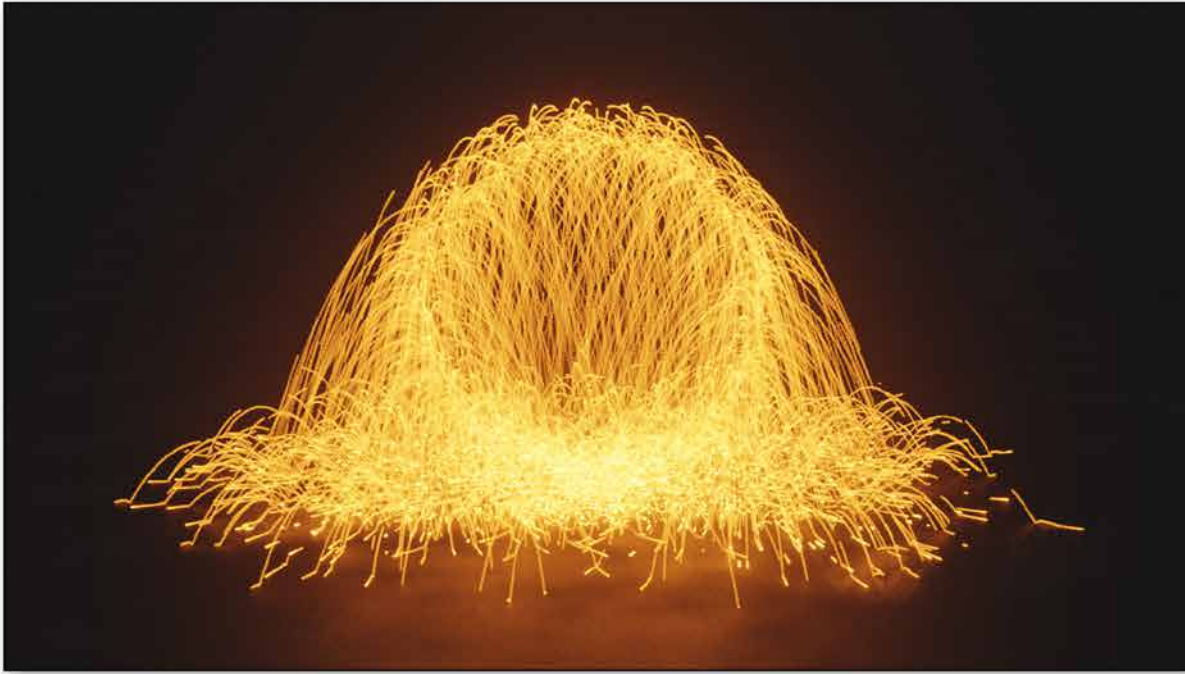
WED

THU

FRI

SAT

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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					



Michael Douglass
(from top left clockwise) *Ring Of Fire*, *Aurora Lake*, *Cosmic Horizon*, *Remember The Fallen*, *Selenes Garden*

MARCH 2022

Art in Science and Engineering in Medicine



SUN

MON

TUE

WED

THU

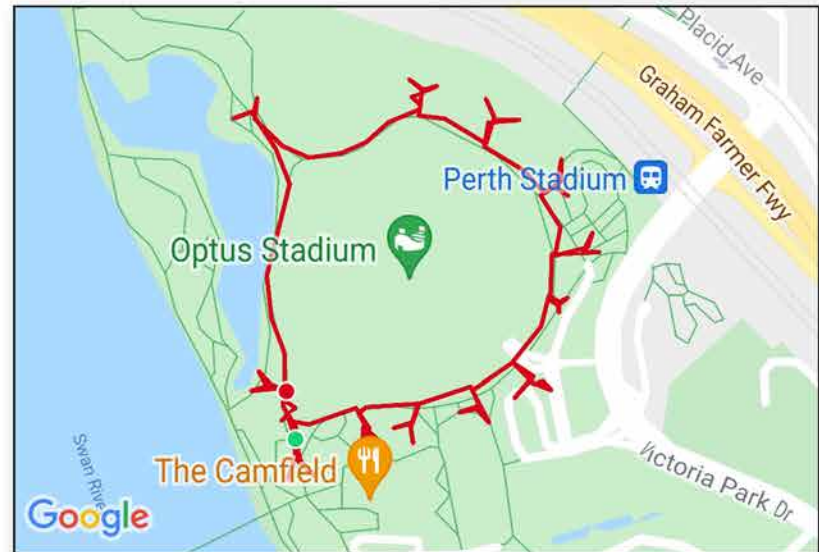
FRI

SAT

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



(from top left clockwise)
 Guy Murphy - Carlton Koalas
 Michael Ryan - Clearing out the ants in Randwick
 Peta Lonski - Giant Kangaroo Sighting In Melbourne
 Guy Murphy - Golden Retriever
 Alison Scott - COVID 19
 Alison Scott - Vaxxed To The Max

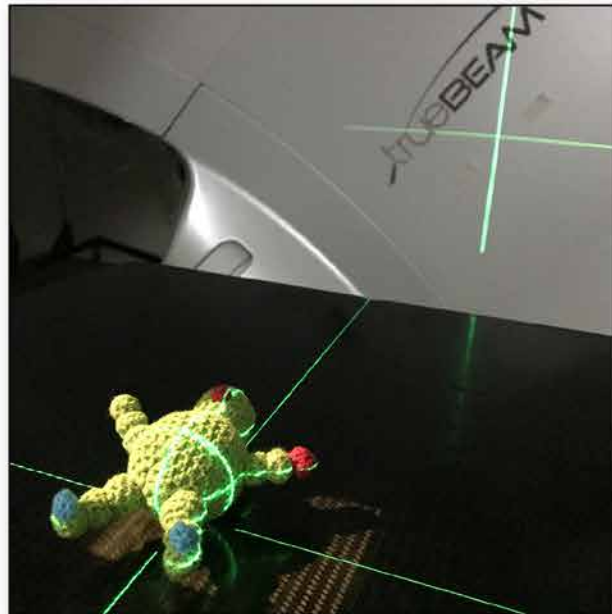
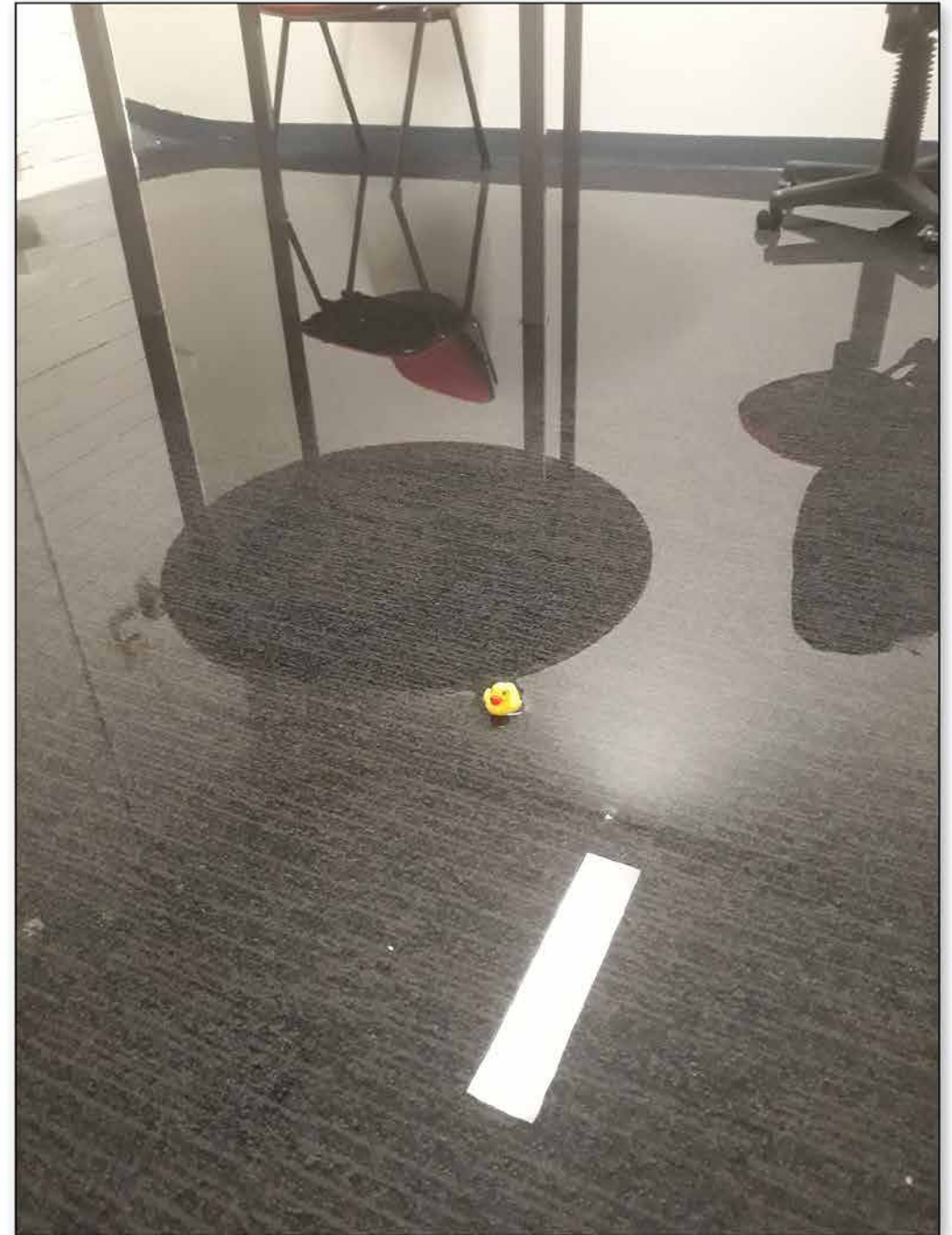


APRIL 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15 Good Friday	16
17	18 Easter Monday	19	20	21	22	23
24	25 ANZAC Day	26	27	28	29	30



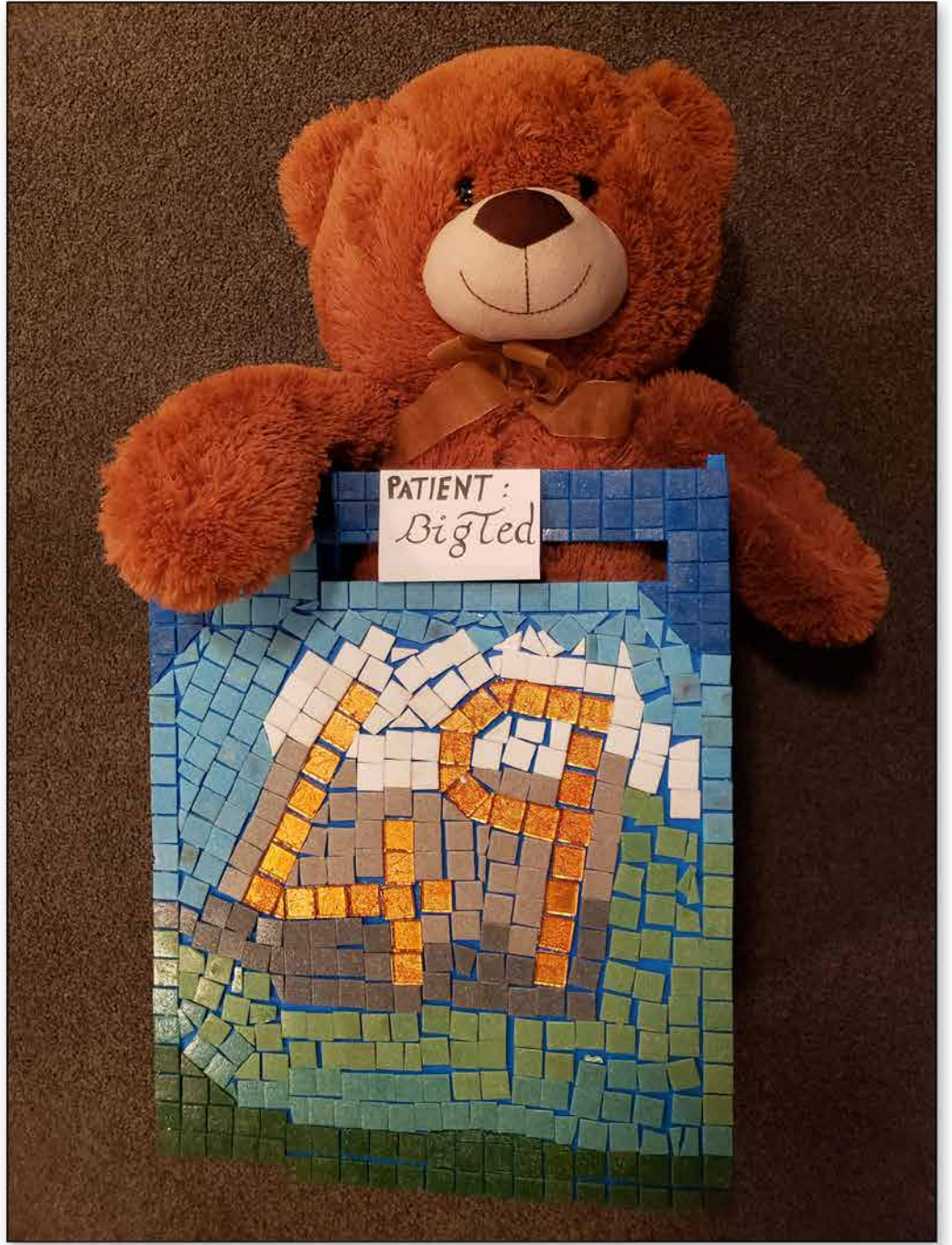
(from top left clockwise)
Rachel Bailey - Morning
QA Assistant 2
Gabor Neveri - MedPHYS
office on a rainy day
Rachel Bailey - Morning
QA Assistant 3

MAY 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Sara Condron - *Anatomy of Life and Death* (left) Alicia Moggre - *Patient number 49 in the Mosaic Patient Management System* (right)

JUNE 2022

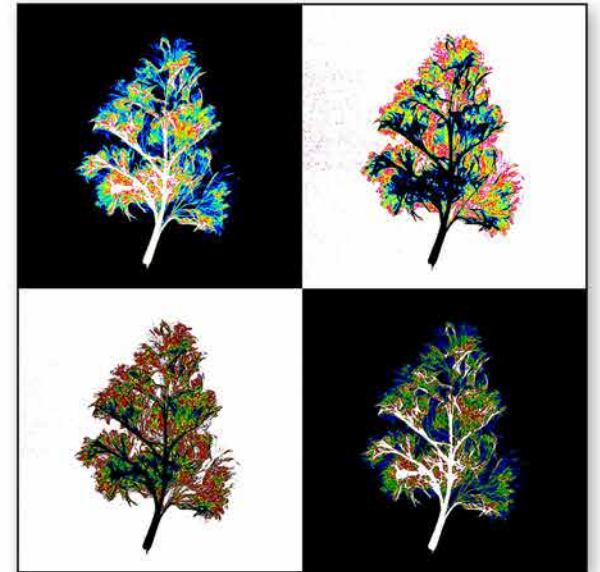
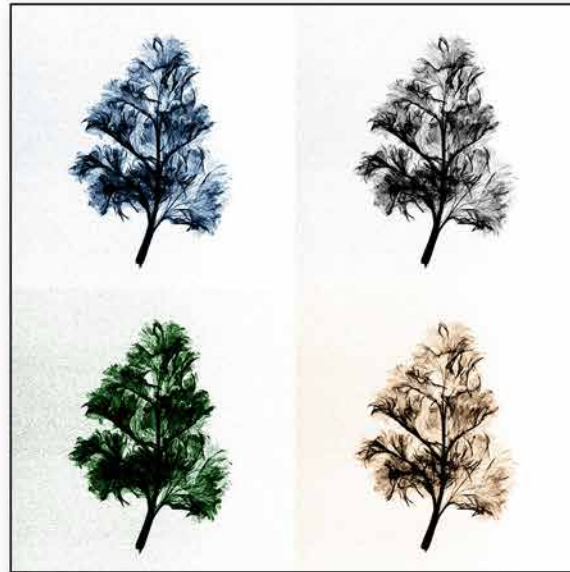
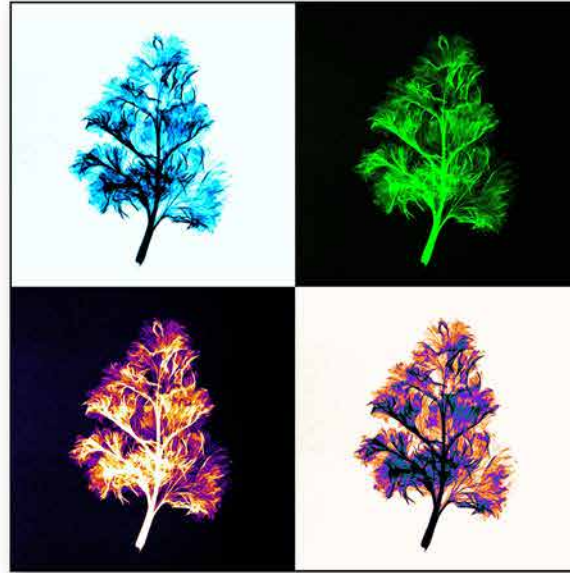
Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		



Chris Boyd - Warhol Parsley Mammograms

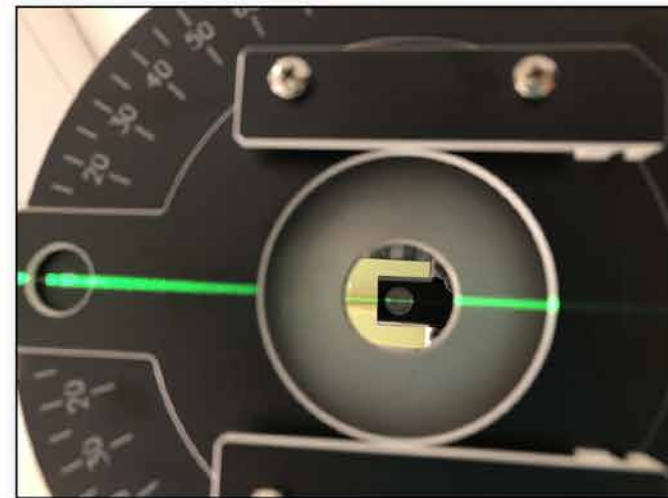
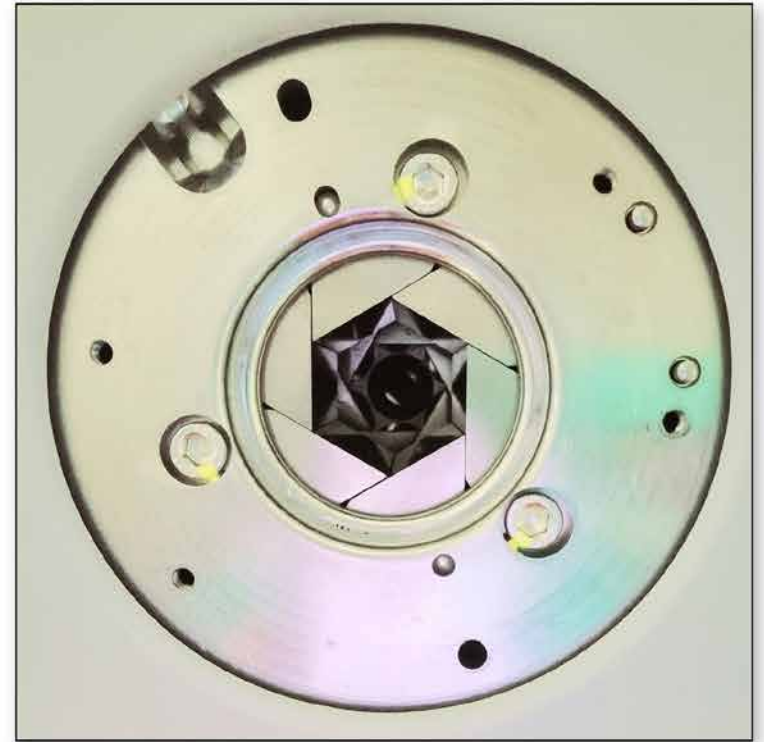


JULY 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



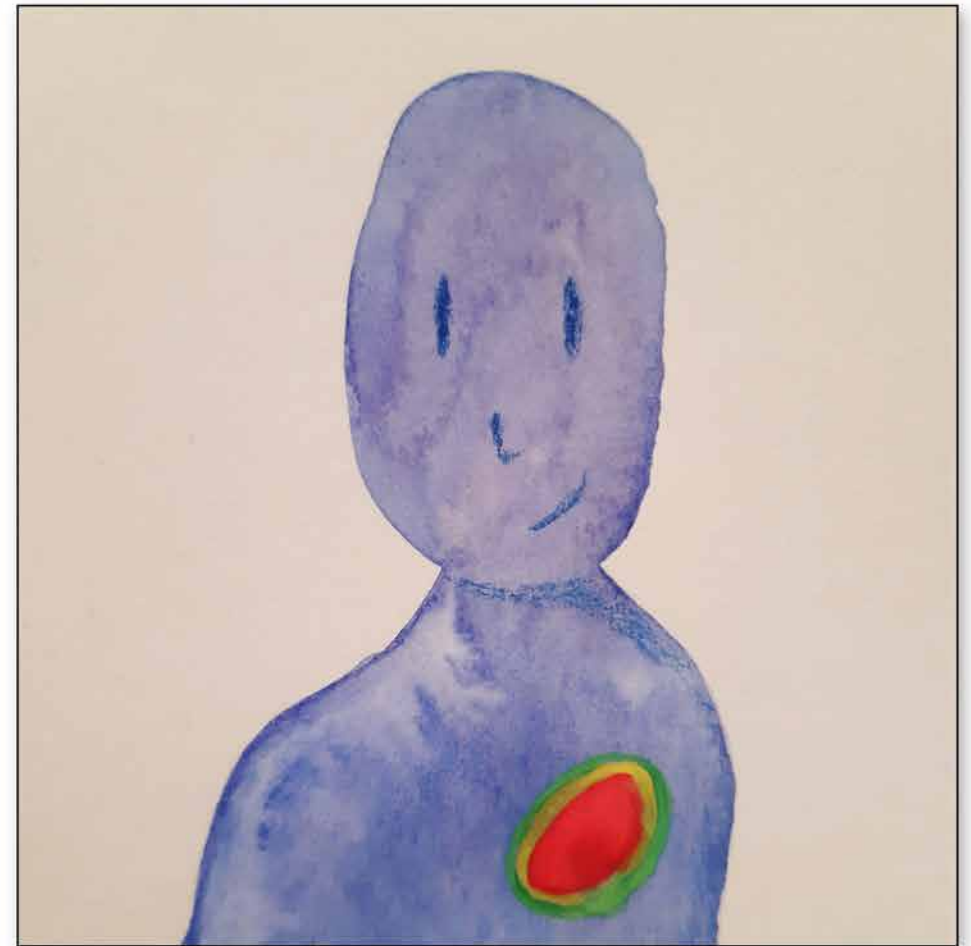
(from left clockwise)
Alison Scott - CK mate Cancer
Alison Scott - Roses Are Red Irises Are CK
Kirstie Caravani - HVL Alignment

AUGUST 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



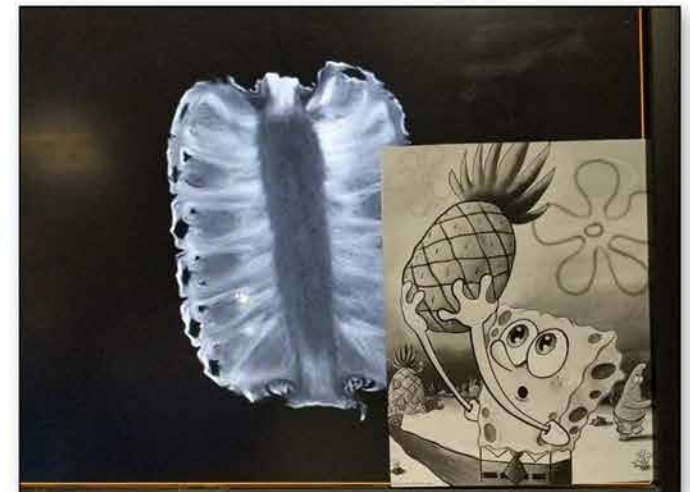
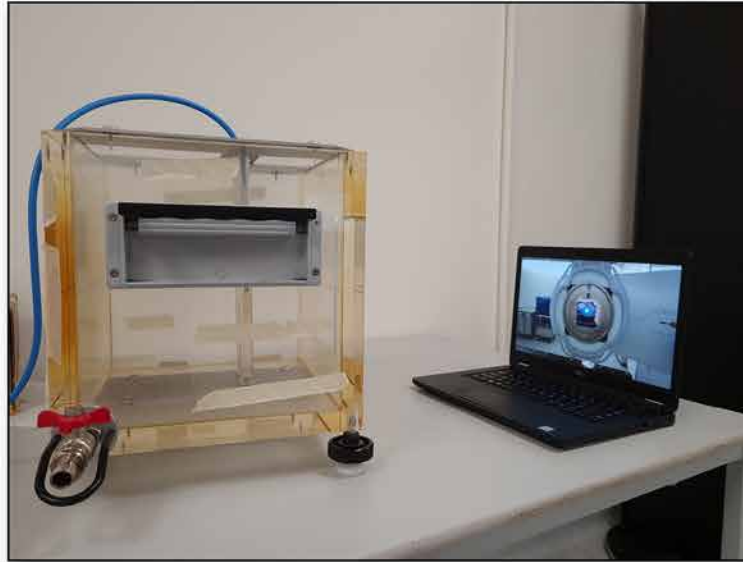
*Edith Villegas
(from top left clockwise)
Healing 3
Portrait
Healing 2*

SEPTEMBER 2022

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



(from left clockwise)
Anita Reed - Which one would you eat
Max Hanlon - Remote Dosimetry
Gray Lu - Frozen In Carbonite A Long Long Time Ago In
A Galaxy Far Far Away
Judy Chuang and Gray Lu - A Slice Of Home
Lisa Wilfert - The Tim Burton Physicist

OCTOBER 2022

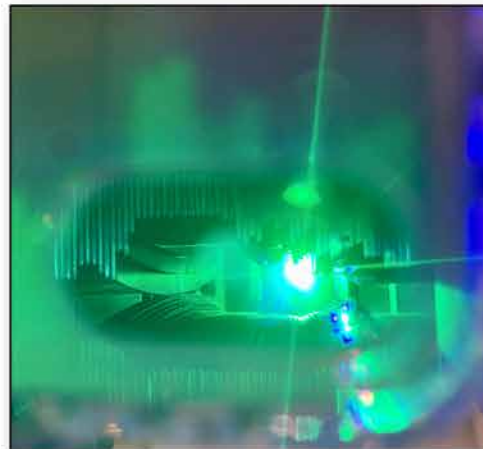
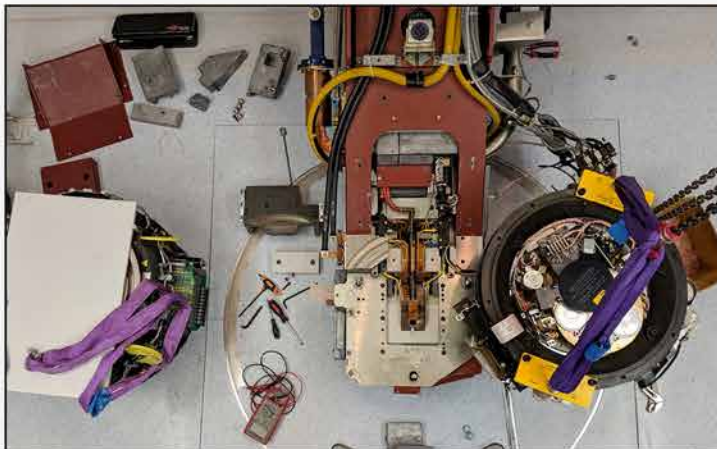
Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29



(from top clockwise) Jarrad Begg - Phosphorescence, Daniel Badger - Radiation shielding cracks me up, Daliya Ignatius - Green Leaves, Jarrad Begg - BEV Birds Eye View



NOVEMBER 2022

Art in Science and Engineering in Medicine



SUN

MON

TUE

WED

THU

FRI

SAT

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			



(from left clockwise)
Reza Alinaghizadeh - Milky Way
Peta Lonski - Learning To Paint: Lake
Martin and Ethan Butson - From little e-trees BIG e-trees grow

DECEMBER 2022

Art in Science and Engineering in Medicine



SUN

MON

TUE

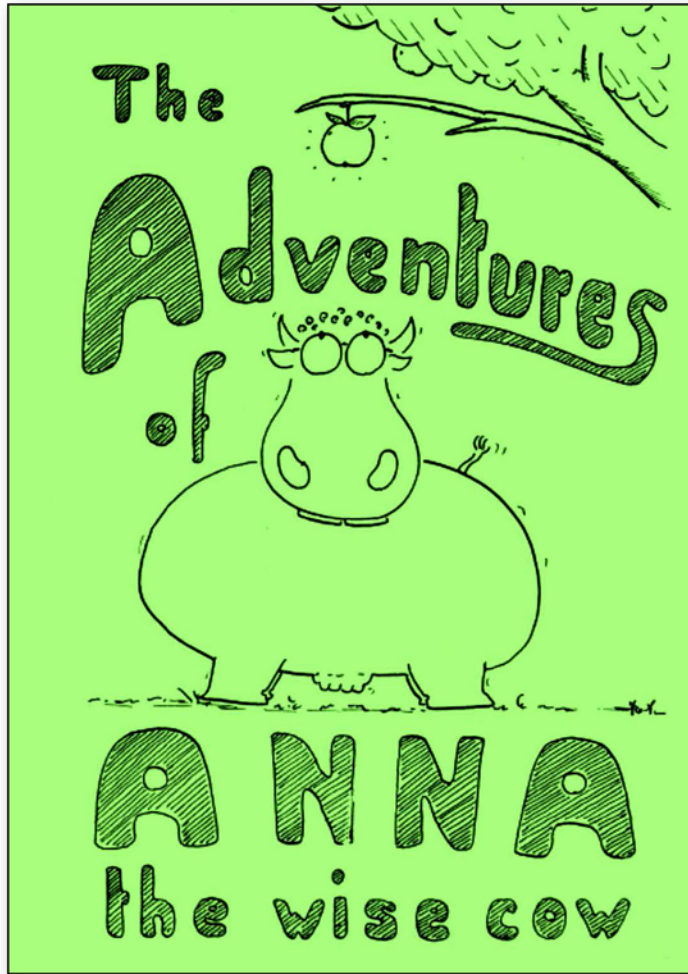
WED

THU

FRI

SAT

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25 Christmas Day	26 Boxing Day	27 Christmas Day Holiday	28	29	30	31



Tomas Kron - The Adventures of Anna the wise cow
(the complete book can be enjoyed online via the link in the QR code)


"I turned around and saw this man running away with something in his hands. I am sure it was the well known manager of the disinfectant manufacturer 'Clear-up', Sir"




"I am really very concerned about a missing electron, because my friend Mr. Ohminus has threatened to cancel our engagement. He is even considering to join a group of radicals. All"

So we set off early next morning to one of the local companies which sells linear accelerators. Holmes had the brilliant idea to pretend that we were going to buy one...

I bet, you didn't know that I have a very famous uncle. I happened to be visiting him just the other day in his home in Baker Street...



"We have entries here in ... Nuclear Power, Waste management and Sterilisation ... and here that sounds even more interesting: Medical Equipment. Remember it all happened in a hospital."



High Energy Ave

MEGAVOLTAGE BUILDING
MAD
Medical Acceleration
Devices Ltd
www.mad.co.uk

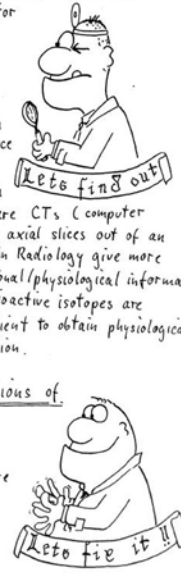


Diagnostic applications of ionizing radiation

- Generally, only a low dose of radiation is given to avoid damage for the patient.
- Radiology: X-rays are used to obtain images out of the body of a patient. Different electron densities of tissues produce contrast. Bones show up beautifully. A modern type of X-ray images are CTs (computer tomograms) which show axial slices out of an organism. Most images in Radiology give more anatomical than functional/physiological information.
- Nuclear Medicine: Radioactive isotopes are administered to the patient to obtain physiological and functional information.

Therapeutic applications of ionizing radiation

- Cancer treatment: Holmes will find out more about radiotherapy in a few pages...

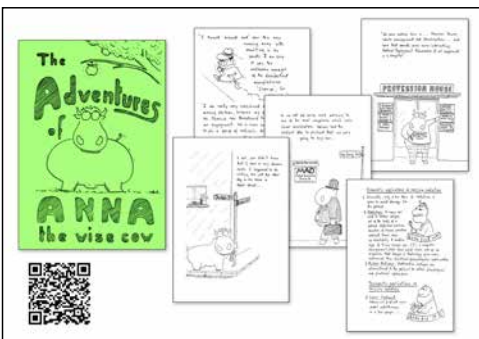
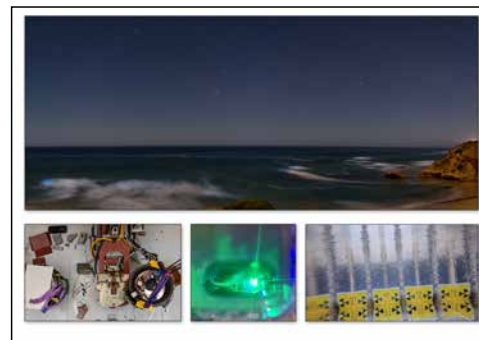
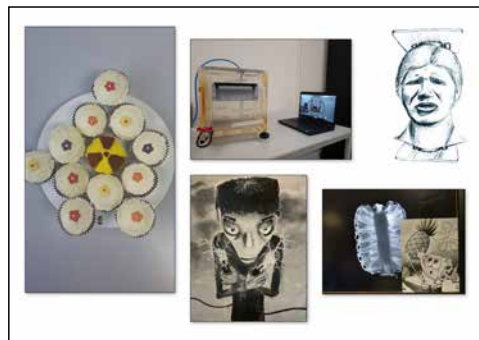
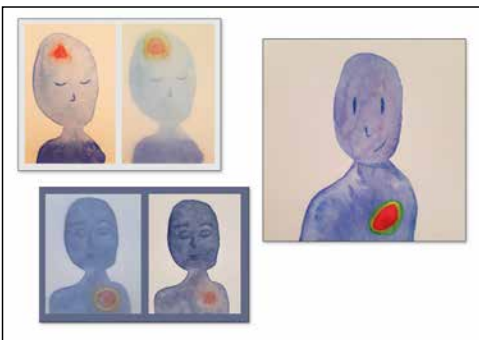
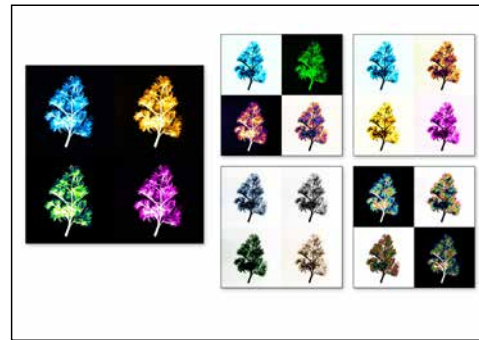
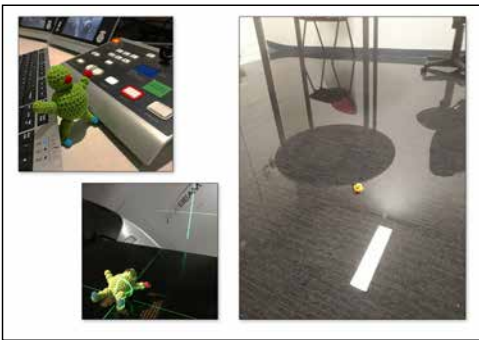
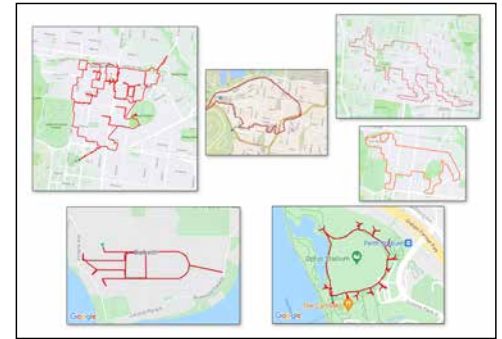
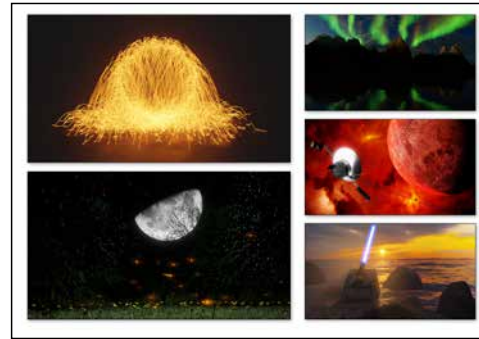
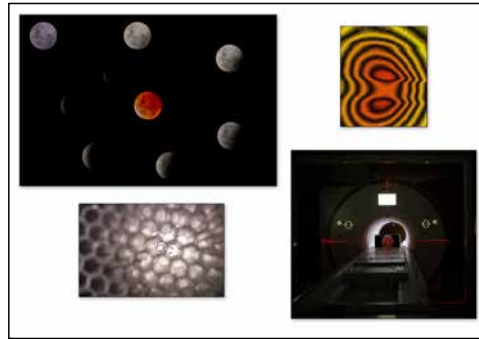


JANUARY 2023

Art in Science and Engineering in Medicine



SUN	MON	TUE	WED	THU	FRI	SAT
1 New Year's Day	2 New Year's Day Holiday	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26 Australia Day	27	28
29	30	31				



Art in Science and Engineering in Medicine



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