

# Open Access: Is OA OK?



February 26, 2014

# Objectives

1. Define the concept of Open Access publishing
2. Describe current trends with OA publishing
3. Distinguish between high-quality (i.e., credible) and low-quality OA publications
4. Understand article submission to an OA journal
5. Learn about UNE's open access repository *DUNE*

# Define

“Open Access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions”  
(Suber, 2012, p. 4).

**Digital**

**Free**

**No restrictions**

# OA Publishing Models

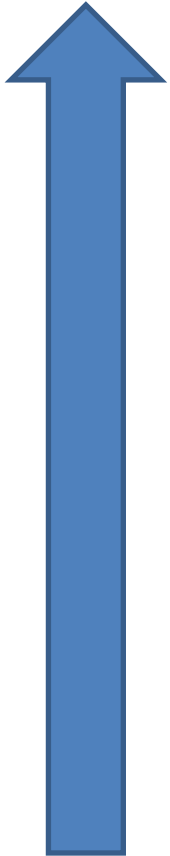
## “Gold”

- delivered by journals
- peer-reviewed
- usually supported by author fees as opposed to subscription fees
- Direct, Delayed, Hybrid

## “Green”

- delivered by repositories
- may or may not be peer-reviewed
- can be accomplished through federal or institutional policies and/or author self-archiving
- UNE has a repository (DUNE) but no OA policies

# Benefits of OA



Scholarly networking on global scale

Potential effect of research

Accessibility of article

Fast publication

Citations to article, impact factor of journal

Helps relieve financial strain on libraries

Wider dissemination and quicker citing

# How OA Journals Differ from Traditional Subscription Journals

1. Author-side publication fees
2. Peer review policies
3. Licensing and copyright laws
4. Author archiving policies

# Author-side Fees

- 70% OA journals (in DOAJ) don't charge author fees  
(Suber, 2012)
- Fees can range from \$250-\$3,000 (often 1-2K)
- Shifts cost from end user to author
- Author costs often shifted to departments, universities, grants
- Fees may create information bias; impede some authors to pay

# Peer review

- Required by OA journals
- Most use traditional, pre-publication, blind peer review model
- Some use open peer review (eg. BMC Medicine)
- Some use open *post-publication* peer review system (eg. F1000 Research from “Faculty of 1000”)



# Licensing & Copyright

**New model** - Creative Commons Attribution License (CCAL)- recommended by OASPA.

- users are free to share, adapt, or use the work with attribution.  
*Author retains copyright.*

**Traditional model** – U.S. Fair Use guidelines, Title 17, Section 107, US Code – most subscription-based journals and some OA journals

- Fair use – more restrictive and can be vague – seek permission to exceed. *Publisher retains copyright.*

OA is “gratis” (free) but not all “libre” (open license)

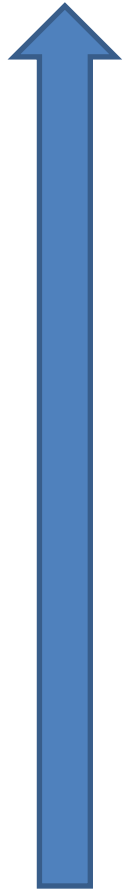


There is a spectrum of open access re: rights and reuse

# Author archiving

- Publish in OA journal – best OA journals also upload to independent repositories
- Publish in conventional journal – some allow green OA - authors self-archive the article in IR (such as DUNE) and/or personal webpage and/or publisher deposits to repository per mandate.
  - check copyright transfer agreement (CTA) when article accepted
  - Use [SHERPA/RoMEO](#) to find journal archiving policy
  - Federal and/or institutional mandates provide pre-existing right the author retains even if copyright transferred
  - authors can negotiate level of archiving with the publisher

# Current Trends



Scholarly output and communication

OA journals, articles & books

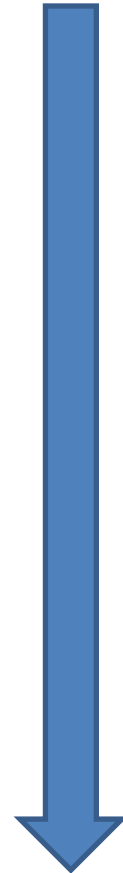
Repositories

Public access to federally-funded research

Cost to author and/or research institution

Predatory publishers

Misconduct/Plagiarism

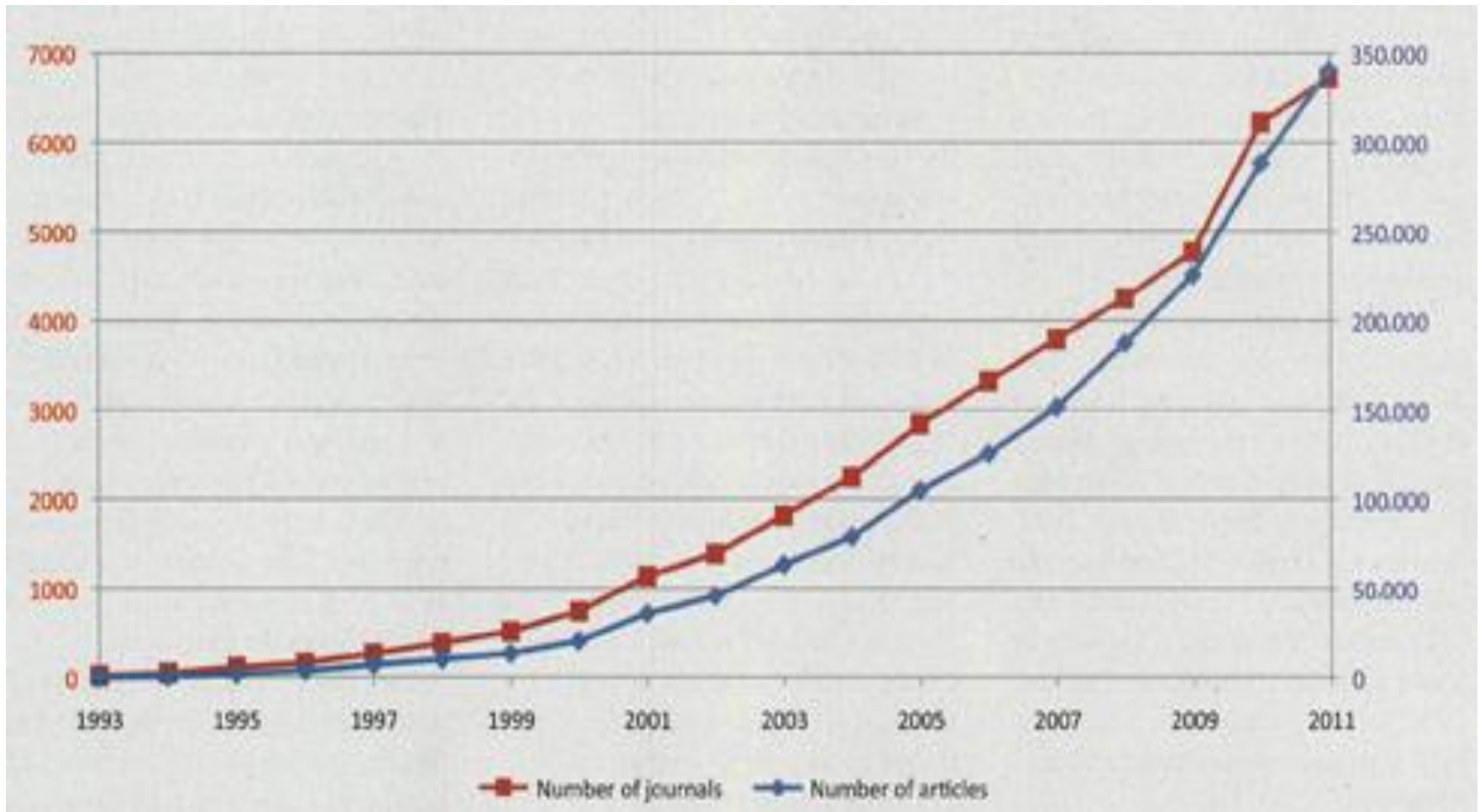


Cost to user

Quality of articles and/or peer review at some OA journals

Ability to judge candidates for promotion and tenure (?)

## Current Trends: Number of OA articles and journals as a function of year of publication




Sources: The data are from Björk and colleagues (2009, doi:10.1371/journal.pone.0011273) for 1993-1999 and Laakso and Björk (2012, doi:10.1186/1741-7015-10-124) for 2000-2011. The graph was created by BioScience. From: MacIwain, C. (2013). Is Open Access Finally on the Ascendancy?. *Bioscience*, 63(1), 7-11. doi:10.1525/bio.2013.63.1.3

# Current Trends

- Laasko et al (2011) study of Direct gold OA journals 1993-2009: since 2000, **avg. annual growth rate:**
  - number of OA journals 18%
  - number of OA articles 30%
  - compare to avg. 3.5% annual growth in journal publishing, 3% annual growth in articles published over last 300 years (Ware and Mabe, 2009)
  
- Lewis (2012) – Gold OA is a “disruptive innovation” and projects 90% of all journal articles will be OA as soon as 2020

# Current Trends



**nature** International weekly journal of science

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Archive > Volume 489 > Issue 7415 > Column: World View > Article

NATURE | COLUMN: WORLD VIEW

 **Predatory publishers are corrupting open access**

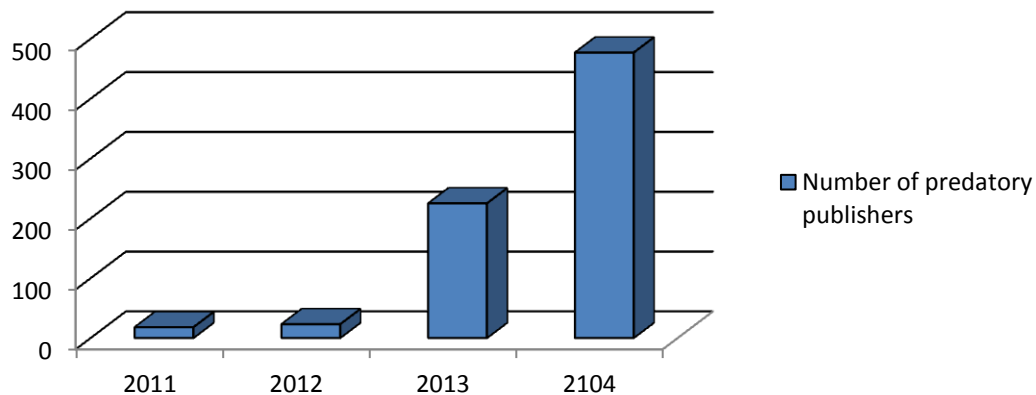
Journals that exploit the author-pays model damage scholarly publishing and promote unethical behaviour by scientists, argues **Jeffrey Beall**.

**“To become a scholarly publisher, all you need now is a computer, a website, and the ability to create unique journal titles. “**

J. Beall; see more: <https://tinyurl.com/k762wre>

*Nature* 489, 179 (13 September 2012) doi:10.1038/489179a

## Number of predatory publishers



<http://scholarlyoa.com/2014/01/02/list-of-predatory-publishers-2014/>

# Trickery.....



# At the publisher level





# At the journal level

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Vol. 99 Issue 6  
(December 2013)



**Journal of Parasitology**

Online ISSN: 1937-2345  
Print ISSN: 0022-3395  
Frequency: Bimonthly

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**Journal of Parasitology**

Editor-in-Chief: Andrew Thompson, USA

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7. Keywords.
8. Introduction.
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10. Materials and

Methods,

10. Results.
11. Discussion.
12. Conclusion.
13. Acknowledgement.
14. References. Include Table/s and Figure/s if there any.

Reference Style inside Text: (Hordegen et al., 2003; Arab Mahdvi et al., 2008).

Reference Citation: Hordegen P., Hertzberg H., Heilmann J., Langhans W., Maurer V., 2003. The anthelmintic efficacy of five plant products against gastrointestinal trichostrongylids in artificially infected lambs. *Veterinary Parasitology* 117(3), 51-60.

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Journal of Parasitology  
Impact Index: 3.56  
ISJN: 3729-2384  
Imprint: Photon

# At the article level

## Chemistry of Pectin and Its Pharmaceutical Uses : A Review

Pornsak Sriamornsak

This is the original publication:  
Sriamornsak, P. (2003). [Chemistry of pectin and its pharmaceutical uses: A review](#). *Silpakorn University International Journal* 3, 206-228.

### Abstract

Pectin, a naturally occurring polysaccharide, has in recent years gained increasingly in importance. The benefits of natural pectin are also more and more appreciated by scientists and its biodegradability. Pectin is the methylated ester of pectic acid. It is commercially extracted from citrus pomace under mildly acidic conditions. Pectins are classified into three major groups on the basis of their degree of esterification.

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### Research Article

### Open Access

## A Review on Pectin: Chemistry due to General Properties of Pectin and its Pharmaceutical Uses

Allwyn Sundar Raj A\*, Rubila S, Jayabalan R and Ranganathan T. V

Department of Food Processing and Engineering, School of Food Sciences and Technology, Karunya University, Coimbatore-641 114, India

This is the plagiarized version:

Raj, A. A. S, Rubila, S., Jayabalan, R. & Ranganathan T. V. (2012). [A review on pectin: Chemistry due to general properties of pectin and its pharmaceutical uses](#). *Open Access Scientific Reports* 1(12), 1-4.

# Evaluating Quality

“Like conventional toll-access journals, some OA journals are first rate and some are bottom feeders.”

- Peter Suber, *Open Access*, 2012 p. 49

Can use criteria similar to what we teach students about evaluating any resource: Authority, Accuracy, Currency, Bias, etc. Also look for explicit scope, target readership, inclusion criteria, peer-review procedures, rejection rates, archiving policies, etc.

# Evaluating Quality: some specific help

- Currently no standard criteria or indicator to judge OA journal quality
- DOAJ – look here to see if included; considered quality journal if so
- Journal information: Ulrich's Periodicals Directory (From Library – Databases by Title – U); PubMed – Journals in NCBI Databases (under More Resources on PubMed)
- Impact Factor: Journal Citation Reports
- Databases where the Journal is indexed – Most have strict inclusion criteria eg. PubMed, Scopus
- Beall's List of Predatory Publishers and List of Individual Journals  
[www.scholarlyoa.com](http://www.scholarlyoa.com)

# Evaluating Quality: places to find reputable OA journals/articles

Directory of Open Access Journals – index of direct OA quality -controlled scientific and scholarly journals, has inclusion criteria <http://www.doaj.org/> - currently 9,745 titles

Public Library of Science (PLOS) - BioMed Central (BMC) - Bio One – PubMed Central

OA and Hybrid journals from conventional publishers (SpringerOpen, Elsevier, etc)

Faculty of 1000 (F1000) – post-publication peer-review

# Understand OA Article Submission

Brazeau DA, Lesser MP, Slattery M. Genetic structure in the coral, *Montastraea cavernosa*: assessing genetic differentiation among and within Mesophotic reefs. *PLoS One*. 2013; May 29;8(5):e65845. doi: 10.1371/journal.pone.0065845.

Sammarco PW, Brazeau DA, Sinclair J. Genetic connectivity in scleractinian corals across the Northern Gulf of Mexico: oil/gas platforms, and relationship to the Flower Garden Banks. *PLoS One*. 2012;7(4):e30144. doi: 10.1371/journal.pone.0030144.

Coffroth MA, Poland DM, Petrou EL, Brazeau DA, Holmberg JC. Environmental symbiont acquisition may not be the solution to warming seas for reef-building corals. *PLoS One*. 2010; Oct 7;5(10):e13258. doi: 10.1371/journal.pone.0013258.

# Q & A



# DUNE: DigitalUNE

## UNE's Institutional Repository

Library Services created DUNE to collect, preserve, and provide access to the creative and scholarly works and unique resources of the UNE Community.

The screenshot shows the DUNE: DigitalUNE website interface. At the top, there is a banner with the UNE logo and the text "DUNE: DigitalUNE". Below the banner is a navigation bar with links for "Home", "About", "FAQ", and "My Account". The main content area is divided into several sections:

- Search:** A search bar with the text "Enter search terms:" and a "Search" button. Below the search bar is a dropdown menu labeled "in this repository".
- Advanced Search:** A link for "Advanced Search".
- Notify me via email or RSS:** A link for "Notify me via email or RSS".
- Explore:** A section with links for "Collections" and "Authors".
- Links:** A section with links for "Contact Us" and "Library Services".
- Contributors:** A section with links for "Contributor FAQ" and "Submit Work".
- Browse by Research Unit, Center, or Department:** A section with a link for "Expand All" and a list of categories and sub-categories:
  - Centers and Institutes:**
    - Center for Excellence in Interprofessional Education
      - Student-led Mini-Grants
  - Colleges and Departments:**
    - Biology Department
      - Biology Theses
    - Chemistry and Physics Department
      - Chemistry Theses
    - English Department
      - English Theses
    - Library Services
      - Special Collections
    - Marine Sciences Department
      - Marine Science Theses
    - Physical Therapy Department
      - Physical Therapy Student Works
    - Psychology Department
      - Psychology Theses
  - Student Works:**
    - Research Posters
    - Student-led Mini-Grants
      - Interprofessional Education Pain Initiative
      - Should I Say Something
    - Theses

DUNE is an online, open access showcase/database of your scholarly and creative work. Because you are a UNE community member, you are eligible to contribute to DUNE.

<http://dune.une.edu/>





# What's In It?

## Research Posters

**Parkinson's Disease and Forced Exercise In a Community Setting:  
A Feasibility Study**

A. Gagne BA, SPT, S. Makins BS, SPT, J. Walrath BS, SPT

### Background

- ◊ Parkinson's disease (PD) is a neurodegenerative disorder that increases an individuals fall risk.
- ◊ In recent studies, an 8-week tandem bike forced exercise program was effective in reducing overall parkinsonian symptoms.
- ◊ The feasibility of a tandem bike forced exercise program in a community setting has not been studied previously.
- ◊ Additionally, there has not been a published study evaluating balance and health outcomes after participation in a forced exercise program.

### Aims

- ◊ **Aim 1:** To assess the **feasibility** of an 6-week tandem bike forced exercise protocol conducted in community setting for individuals with PD.
- ◊ **Aim 2:** To assess **balance and health outcomes** of a 6-week tandem bike forced exercise protocol conducted in community setting for individuals with PD.

### Methods

**Design:** Quasi-experimental pre- and post-test

Pre-test Sept. 9 – 12, 2013	8-week Intervention Sept. 16 – Oct. 24, 2013	Post-test Oct. 28 – Nov. 1, 2013
--------------------------------	---	-------------------------------------

**Setting:** Medically Oriented Gym (MOG)

- Specialized fitness center
- Wellness focused
- Members with complex health conditions
- Inter-professional team

**Participants:** 5 individuals with early to mid-stage PD (3 male, 2 female, 72 ± 6 years)

**Measures:**

Feasibility	Quantitative	Qualitative
Attendance	Mini-BESTest	Participant GRC*
Satisfaction	Brief-BESTest	"Captain" GRC*
Exercise Tolerance		

**Intervention:**

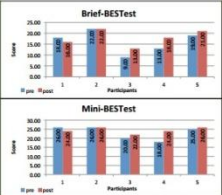
- ◊ Bi-Weekly 1 hr tandem bike forced exercise
- ◊ Intensity: 80-90 RPM at target HR
- ◊ Community member on front seat (Captain)
- ◊ Person with PD on rear seat (Stoker)

### Results

**Aim 1: Feasibility**

- ◊ Satisfaction: All participants viewed program as valuable.
- ◊ Attendance: 85%
- ◊ Avg. ex. tolerance per session: 39.65 min

**Aim 2: Balance Outcomes**



- ◊ 4/5 participants perceived no significant change in balance (mean GRC = 1.42) or ADLs (mean GRC = 0.32).

**Secondary Health Outcomes**

- ◊ No decrease in health (5/5)
- ◊ Improved health (4/5)
- ◊ Program was valuable (5/5)

### Discussion

- ◊ Data supported the feasibility of a tandem bike program in a community setting.
- ◊ Data did not support the effectiveness of forced exercise for improving balance.
- ◊ Brief-BESTest items seem to be more sensitive to the observed changes.

We would like to thank Jim Cavanaugh, PT, PhD, NCS, Jaclyn Morrill-Chadbourne, MS, ACSM, ABD, Michelle Oswald, BS, L-ATC, and

Gagne, Alati; Makins, Sarabeth; and Walrath, James, "Parkinson's Disease and Forced Exercise in a Community Setting: A Feasibility Study" (2013). *Research Posters*. Book 2. [http://dune.une.edu/student\\_posters/2](http://dune.une.edu/student_posters/2)

Chamberlin, Tyler; Green, Kristen; and Robichaud, Patrick, "The Physiological Effects of Exercising Alone Versus with a Partner" (2013). *Research Posters*. Book 1. [http://dune.une.edu/student\\_posters/1](http://dune.une.edu/student_posters/1)

## The Physiological Effects of Exercising Alone Versus with a Partner



Tyler Chamberlin, BS; Kristen Green, LAT, ATC, BS; Patrick Robichaud, BS  
University of New England, Department of Physical Therapy, Portland, ME



### Background

- The general population is on a constant pursuit for sources of motivation to maintain a consistent workout routine.
- Research demonstrates increased motivation when exercising with a partner, but does not investigate the physiological effects.

### Objective

To investigate changes in heart rate (HR), blood pressure (BP), rate of perceived exertion (RPE), and time in target HR zone when exercising alone compared to exercising with a same-sex partner.

### Methods

**Design:** Experimental 2x9 repeated measures research, conducted by Doctor of Physical Therapy (DPT) students.

**Setting:** This study was conducted in the Physical Therapy lab at the University of New England in Portland, Maine.

**Subjects:** 41 DPT students were randomly assigned to one of two conditions: exercising alone or with a partner first.

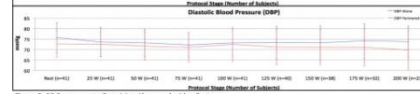
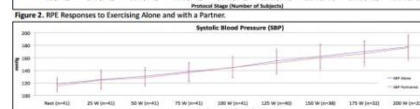
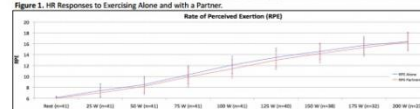
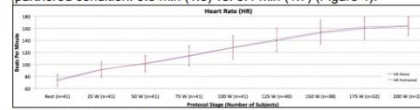
**Procedure:** Subjects completed an 8-stage protocol on a cycle ergometer for 16 minutes.

**Measurements:** HR, BP, RPE, and time in target HR zone. Outcome measures were collected at resting, warm-up, each stage of protocol, and cool down.

**Statistics:** A two-way repeated measures ANOVA with a Bonferroni correction for HR, BP, RPE, and a t-test for time in target HR zone.

### Results

- No significant differences in mean HR, BP, RPE and time in target HR zone when exercising alone compared to with a partner (Figures 1-4).
- RPE was consistently higher in the alone condition in comparison to the partnered condition (Figure 2).
- Mean time in target HR zone was longer when exercising in the partnered condition: 3.8 min (1.5) vs. 3.4 min (1.7) (Figure 4).



### Discussion

- Despite lack of significance, the trends in our data were similar with results in other research.
- An individual exercising alone may have a higher perception of exertion while spending less time in his or her target HR zone.
- An individual exercising with a partner may have a lower perception of exertion while spending more time in his or her target HR zone.

### Conclusion

This is the first study investigating these outcomes. Further research is warranted to measure the body's physiological responses and health benefits with partnered exercise. Additionally, future research should be conducted among different populations.



### Acknowledgements

Michael Fillyaw PT, MS Faculty Advisor, University of New England Department of Physical Therapy for equipment and resources.

# What's In It?

## Theses

University of New England  
DUNE: DigitalUNE

Theses

Student Works

4-1-2013

### The Effect of pH on the Metal Binding Capabilities of Exopolymeric Substances from a Marine Benthic Diatom

Vanessa O'Donnell  
University of New England

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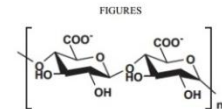


Figure 1. Molecular structure of polyglucuronic acid, with molecular formula of  $C_6H_{10}O_7$  (Elbentachfati et al., 2011).

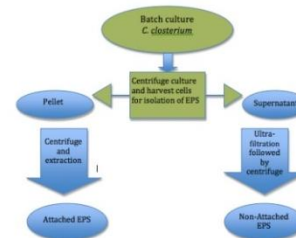


Figure 2. Extraction and isolation of marine diatom EPS

# What's In It?



Cranston General Hospital, "Balloons on groundbreaking day" (2013).  
Cranston General Hospital *Photographs*. Paper 71.  
[http://dune.une.edu/cranston\\_photos/71](http://dune.une.edu/cranston_photos/71)

Sweat, Margaret Jane Mussey, "Margaret Jane Mussey Sweat  
Photograph Album" (1870). *Photograph Album*. Book 1.  
[http://dune.une.edu/mjms\\_photo/1](http://dune.une.edu/mjms_photo/1)



# What's In It?

## E.M.: Chronic Low Back Pain Video

[Lindsay St. Louis](#), [University of New England](#)

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### Document Type

Video

### Publication Date

Spring 2013

### Abstract

Video interviews of five chronic pain patients with differing conditions were completed; a man with chronic low back pain, a woman with fibromyalgia, a woman with rheumatoid arthritis, a man with musculoskeletal pain in addition to post-traumatic stress disorder, and a woman with a spinal cord injury. These interviews were used to make personal videos for each patient, which tell their story of chronic pain, and a longer 8-10 minute video that included all patients in addition to a young woman with complex regional pain syndrome (CRPS). They were also used to make interprofessional case reports of chronic pain with facilitator notes for each patient. All of the materials created (videos, case reports, and facilitator notes) were presented and used for educating health professional students at the 11<sup>th</sup> Annual UNE Interprofessional Education Spring Symposium: The Science of Pain and the Art of Healing.

St. Louis, Lindsay; D'Apice, Michael; Brusky, Kristen; and Vunk, Tyler, "E.M.: Chronic Low Back Pain Video" (2013). *All Student-led Mini-Grants*. Paper 15. [http://dune.une.edu/ceipe\\_allminigrants/15](http://dune.une.edu/ceipe_allminigrants/15)

## Videos

## Should I Say Something? Whether to Offer Unsolicited Health Information Inside and Outside the Workplace as a Healthcare Professional - Presentation Video

[Nicholas Church](#), [University of New England](#)

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Church, Nicholas, "Should I Say Something? Whether to Offer Unsolicited Health Information Inside and Outside the Workplace as a Healthcare Professional - Presentation Video" (2013). *All Student-led Mini-Grants*. Paper 18. [http://dune.une.edu/ceipe\\_allminigrants/18](http://dune.une.edu/ceipe_allminigrants/18)

# What's In It?



*Tower 1968*  
UNE Library Services Westbrook College History Collection  
1968 yearbook of Westbrook Junior College in Portland, Maine.

Westbrook College History Collection, UNE Library Services, "Tower 1968" (1968). Yearbooks. Book 4. [http://dune.une.edu/wchc\\_yearbooks/4](http://dune.une.edu/wchc_yearbooks/4)



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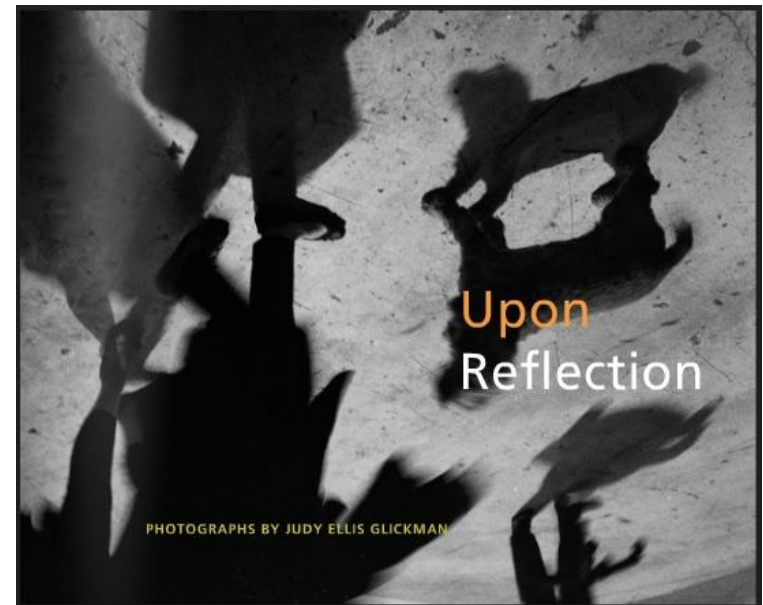
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ISSUU

Sweat, Margaret Jane Mussey, "Annals of the Cobweb Club" (1890). *Annals of the Cobweb Club*. Book 1. [http://dune.une.edu/mjms\\_cobweb/1](http://dune.une.edu/mjms_cobweb/1)



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# What's In It?

## Papers

### A Case Report of Chronic Low Back Pain Interprofessional Education

E.M.

Case Writer  
IPE Pain Initiative

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#### IPE Case Report of Chronic Pain

"Pain is inevitable, suffering is an option."  
A Case Report of Chronic Pain

**Presenting Condition:** "I am a person that has been living with chronic pain since 1998."

E.M. is a disabled 48 y/o male father, husband, and plumber who has chronic low back pain and lumbar instability—a condition that requires him to wear a hard lumbar brace on a daily basis. E.M. sustained a work related back injury in 1996 and has been unable to go back to work since. His back injury resulted in a lumbar radiculopathy due to a herniated disc, which caused him severe pain. He underwent a discectomy in 1996; although, due to further degeneration of his intervertebral discs, E.M. received a third surgery three years later (1999) for a L4-S1 fusion. Unfortunately, the fusion did not take and caused him severe pain that was difficult to control. E.M. then had his L4-S1 vertebrae removed and replaced with bone from his hip to attempt another vertebral fusion (2003). He woke from this surgery with a lumbar brace. Although the doctors told him that he needed to wear it temporarily, he still wears the brace today. "I need the \$1000 brace to be able to stand or sit. It rides on my hips and the bottom of my ribs and keeps the weight off the column". E.M. has gone through 4 braces in 10 years because of weight loss that is due to his medications for another disorder, narcolepsy, which he was diagnosed with in 2003. This condition restricts him from the use of narcotics for his pain. Narcotics make him fall asleep and also cause him migraines. He chooses instead to take OTC medications that help make his pain more manageable. E.M. explains that his pain fluctuates depending on his sleep and the weather. Additionally, he has modified his home and workspace, which provides some alleviation from his discomfort. E.M. keeps a positive attitude and outlook on his life—"Most of the time, I can just adjust my life's challenges, and make it through the rough days." He tries to keep busy as much as possible to keep his mind off of the pain.

#### Patient Profile:

Age: 48  
Height: 5' 11"  
Weight: 150 lbs.  
Language(s): English  
Condition(s): chronic low back pain [1996]; narcolepsy [2003]; hypothyroidism second to thyroidectomy; seasonal allergies

#### Past Medical History:

Past Illnesses: migraines from altered sleeping patterns

Injuries: herniated disc, 1996

Immunizations: up to date

#### Medications:

- Prescribed: Methyphenidate HCl 54 mg (daily); Lorazepam 10 mg (daily); levothyroxine 175-mg (daily); Nexium 50MG/CACT spray (once daily as needed)
- Over The Counter: Tylenol 500 mg (2 tablets at nighttime as needed); Advil 200 mg (2

#### Facilitator Notes For EM

- What are your initial thoughts about this patient?
- Do you notice any of your personal judgments or biases coming up?
- How can your profession positively contribute to the patient's condition?
- Where would you begin as a health care provider for this patient?
- What is one way the health care team can collaborate to improve the care of this patient?
- What other providers can/should be involved in the care of this patient?
- What role can a nurse play in helping his patient return to his ADLs?
- How can the health care provider help this patient?
- Has he tried anything else for pain relief besides narcotics and surgery?
- Does he have the financial support to pay for all his services?
- What additional resources or education does he need?
- Is it possible that the brace is actually hindering his recovery at this time?
- Is he physically or emotionally dependent on the brace and if so, how does this impact his recovery?
- What kind of supplements should EM be taking so that he maintains his nutritional status and doesn't lose any more weight?
- What types of changes do you think EM was able to make in his home to make his life more manageable?
- Do you think EM would benefit from mental health counseling?
- What additional assessments would be relevant for this patient?
- What pain techniques have you seen or used in a clinical setting that have been effective?
- What can someone from your profession offer to a patient who is unable to take narcotics?
- Do you have suggestions of pain relief strategies for this patient that he may not have tried?
- What has been effective in your own pain relief?
- What other resources or health programs could the patient turn to besides his general physician for chronic pain support?
- Do you think there is a psychological effect from not being able to go back to work?
- Are there any other medications or operations that this patient would qualify to try?
- Would trying another operation be advisable considering his past experiences?
- What are some reasons why he failed his initial fusion attempts?
- How does one determine what a "fulfilling life" looks like? Do people have thoughts about how fulfilling E.M.'s life is as it is right now?

#### Additional Resources

Certified Registered Nurse Anesthetist: In regards to positioning, Anesthesiologist's Manual of Surgical Procedures, Richard A. Jaffe, is an excellent resource for anesthesia providers. It outlines necessary positioning for all procedures.

Medical Student: Full PE including vitals, osteopathic structural exam, neurological exam (to assess leg weakness, sensory loss, bladder/bowel symptoms), and musculoskeletal exam, straight leg raise test, imaging: MRI Nursing: pain scale, dietician, physical therapist

Occupational Therapist: Function Mobility Assessment, Occupational Profile, Home Evaluation, ADL Assessment, Employment Assessment, Nutritional Assessment

Physical Therapist: MMT of LE and palpation/observation of lumbar spine.

Social Work: His support system.

# What's In It?

Articles

The screenshot displays the DUNE: DigitalUNE website interface. At the top left is the UNE University of New England logo. The main header features a beach scene with the text 'DUNE: DigitalUNE'. A navigation bar includes links for Home, About, FAQ, and My Account. A search bar is located on the left side, with a dropdown menu set to 'in this series'. The main content area shows a breadcrumb trail: Home > Colleges and Departments > College of Pharmacy > Pharmaceutical Sciences Department > Pharmaceutical Sciences Faculty Publications > 5. Below this is the title 'PHARMACEUTICAL SCIENCES FACULTY PUBLICATIONS'. The featured article is 'Role of the Genomics Revolution in Pharmaceuticals' by Daniel A. Brazeau and Gayle A. Brazeau, both from the University of New England. The article is categorized as a 'Document Type' of 'Article' and was published in '5-2009'. An abstract follows, discussing pharmacogenetic cases and the importance of genetic testing. On the right side of the article, there is a 'Download' button, a 'Find in your library' link, and a box indicating the article is included in 'Genetics and Genomics Commons, Pharmacy and Pharmaceutical Sciences Commons'. Social sharing options for Facebook, Twitter, LinkedIn, Google+, and Email are also present.

Home > Colleges and Departments > College of Pharmacy > Pharmaceutical Sciences Department > Pharmaceutical Sciences Faculty Publications > 5

## PHARMACEUTICAL SCIENCES FACULTY PUBLICATIONS

### Role of the Genomics Revolution in Pharmaceuticals

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**Document Type**  
Article

**Publication Date**  
5-2009

**Abstract**  
Highlights the examples of Thiopurine S-methyltransferase (TPMT) and Warfarin as a means of describing some of the problems that are common to many pharmacogenetic cases. The pharmacogenetic literature contains many examples of confusing, or even contradictory, studies that arise due to unknown environmental factors that result in poor outcomes; drugs whose metabolism/transport are affected by multiple genes in multiple pathways; and clinically important genes that have many rare allelic variants with similar phenotypes variation in the frequencies of allelic variants among ethnic groups that mask the role of any one variant. These issues are common to most gene/drug dynamics and do not preclude the importance of pharmacogenetic studies. They do call for more realistic assessments of the role of genetic testing for the practicing clinician as this field develops.

# What's in it?

*Potentially: Nearly Anything...*

## **DUNE can host:**

- Journals created by UNE community members/groups
  - Blog archives
  - Chapters or entire books
    - Art shows
  - Video and audio recordings
    - Data sets
- What have you created during your time at UNE?  
Is it (or can it be made into\*) a digital object?

\*The Library has a scanner and digital camera and can help with digitization.



# DUNE: DigitalUNE

*What's "In It" For You?*

## *Benefits of Contributing Your Work:*

- ★ It's easy to find.
- ★ Your work has a permanent home.
- ★ You get feedback.
- ★ It places you and your work in context.

## *But You Don't Have to Worry About:*

- ✗ Fees
- ✗ Giving up your rights as author
- ✗ Loss of time
- ✗ Losing a chance at "traditional" publication

# DUNE: DigitalUNE Contributor Feedback



**Vanessa O'Donnell**  
**MS in Marine Science,**  
**2013**

O'Donnell, Vanessa, "The Effect of pH on the Metal Binding Capabilities of Exopolymeric Substances from a Marine Benthic Diatom" (2013).  
*Theses*. Paper 4.

<http://dune.une.edu/theses/4>

*"I think DUNE is a great way to have my work be easily accessible, especially to anyone wanting to continue this research. It is very beneficial to me, the scientific community, and potential employers to have this instant access. I see this as the way it will be done in the future."*

*"I have had positive feedback from the co-authors, having the ability to readily access our work and find it easily or be able to send out a link to where it is located. DUNE has made my work available to anyone with access to a computer, which is a large audience reading my paper."*

*"I like receiving the updates ... as a recent grad student it is a nice reminder of what I accomplished."*

# DUNE: DigitalUNE Contributor Feedback

*"I had heard of 'open access'. Many of my colleagues were discussing the pros and cons of open access versus traditional journals. I thought open access was a great idea for sharing intellectual ideas more broadly... a great venue for theses and technical papers."*

*"I am happy that DUNE will be a good source for future UNE students to refer to works such as old theses. When I was a student, theses were kept ... where it was very hard to get access to them, so there was a lot of work just collecting dust in the dark. ... I'm glad that is not necessarily the case today."*

*"I enjoy receiving notifications about my work being downloaded, because it shows that my thesis is actually being used for something. It makes the whole process of writing it seem more beneficial."*



**Emily Zimmermann**

**B.S. in Marine Biology,  
2009**

Zimmermann, Emily, "Differential Response of AMP Activated Protein Kinase (AMPK) and Hsp70 to Temperature Stress in the Gastropod, *Nucella Lapillus*." (2009). Theses. Paper 2.

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# Websites

Directory of Open Access Journals <http://www.doaj.org/>

Directory of Open Access Books <http://www.doabooks.org/doab>

Open Access Directory [http://oad.simmons.edu/oadwiki/Main\\_Page](http://oad.simmons.edu/oadwiki/Main_Page)

Open Access Scholarly Publishers Association <http://oaspa.org/>

OpenDOAR – Directory of Open Access Repositories <http://www.opendoar.org/>

Open Textbook Library – University of Minnesota <https://open.umn.edu/opentextbooks/>

Registry of Open Access Repositories <http://roar.eprints.org/>

ScholarlyOA.com – Jeffrey Beall’s blog and list of predatory publishers [www.scholarlyoa.com](http://www.scholarlyoa.com)

SHERPA/RoMEO: Publisher copyright policies & self-archiving <http://www.sherpa.ac.uk/romeo/>