

Public Research Education Program (PREP)

Class Information

Unless otherwise noted on the class schedule, PREP is held in the Degnan Conference Room at 350 Community Drive, Manhasset, NY. Select courses will be offered through WebEx as well as in-person. Visit the [RPT website](#) for more information on registration, directions, class schedule and scheduling changes, past videos and presentations, and how to obtain CME and completion certificates.

PREP Course #1: Is IRB Review Required?		
WebEx Available		
OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> • Determine the difference between quality improvement and human subjects research 	Tuesday, September 18, 2018 9:30-10:30am	Hallie Kassan, MS, CIP, and Jon Newlin, CIP Human Research Protection Program
CONTENT (Topics) <ul style="list-style-type: none"> • Differentiate between quality improvement and research • Define when quality improvement projects also qualify as research • Discuss case reports • Review the Human Subjects Research Determination (HSRD) form • Discuss engagement in research and what that means 		

PREP Course #2: Social Media & IRB Considerations		
WebEx Available		
OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> • Adhere to the regulations and IRB requirements for the involvement of social media in research studies 	Tuesday, September 25, 2018 9:30-10:30am	Nawshin Kutub, PhD, and Michael Rossano Human Research Protection Program
CONTENT (Topics) <ul style="list-style-type: none"> • Review regulations that pertain to use of social media in research • Discuss use of social media for recruitment • Discuss use of social media in the research intervention • Discuss ethical concerns with the use of social media in research studies 		



PREP Course #3: The Office of Technology Transfer: FAQs

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Identify the role and capabilities of the Office of Technology Transfer/Intellectual Assets. • Utilize the Office of Technology Transfer/Intellectual Assets services when appropriate. 	<p>DATE AND TIME:</p> <p>Tuesday, October 9, 2018 2:00-3:00pm</p>	<p>PRESENTER(S):</p> <p>Tom Coleman, Vice President, Intellectual Assets</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Consulting Agreements • Material Transfer Agreements • Confidentiality Agreements • Invention Disclosures (including government supported) • Royalty Distribution policy 		

PREP Workshop #4: Key Points Needed for a Successful 1 Hour Scientific Presentation

WebEx Not Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Construct a scientific presentation that showcases their research. • Integrate audio/visual content and equipment into their scientific presentations. • Manage the Q&A portion of their scientific presentations 	<p>DATE AND TIME:</p> <p>Thursday, October 18, 2018 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Jesse Roth, MD, FACP, Lab of Diabetes Research</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Knowing your audience • Selecting material and organizing it into a PPT Presentation • Presenting within time limit constraints • Preparing for Q&A • Use of audio-visual content and equipment 		



PREP Course #5: The Center for Comparative Physiology (CCP): How we can help you meet your research goals

WebEx Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
<p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the regulatory framework for conducting animal research • Review best practices for conducting research within the CCP • Understand the operations and services provided by the CCP • Describe working safely in the facility and providing humane care and treatment to animals. 	<p>Tuesday, October 23, 2018 2:00-3:00pm</p>	<p>Theresa Faughnan, MS, CCP, Director, Center for Comparative Physiology</p>

CONTENT (Topics)

- Overview of CCP facility
- Requirements for access
- Proper entry procedures
- Review of training program;
- Regulatory agencies and oversight bodies for the CCP;
- Laws, guidelines and current SOP's;
- Controlled substance ordering, storage, and record keeping;
- Services provided by the CCP,
- How to request services and book procedure space;
- How the CCP can help you to meet your research needs.

PREP Course #6: Post Approval Monitoring of Animal Care and Biological Agent Use

WebEx Not Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
<p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Discuss and understand the purpose and goals of a risk based program of continuing review (Post Approval Monitoring (PAM)) in the conduct of pre-clinical and clinical research. 	<p>Tuesday, October 30, 2018 9:30-11:00am</p>	<p>Chantini Pyatt, Specialist, Animal Welfare Office And Raymond Pica, Biosafety Officer</p>



CONTENT (Topics)

- What is Post Approval Monitoring?
- Goals
- Regulatory basis
- Process
- Logistics
- Questions

PREP Course #7: Research IT/Informatics Tools and Resources

WebEx Available

<p>OBJECTIVES: Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Identify research IT / informatics tools and resources to help advance clinical research 	<p>DATE AND TIME: Tuesday, November 6, 2018 2:00-3:00pm</p>	<p>PRESENTER(S): John Chelico, MD, Center for Research Informatics and Innovation</p>
---	--	---

CONTENT (Topics)

- Describe and compare research informatics tools and resources
- How to obtain tools and resources

PREP Course #8: Applying HIPAA in Research

WebEx Available

<p>OBJECTIVES: Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Recognize all 18 PHI identifiers • Describe methods of conducting various types of research and applying the appropriate method for use, access or disclosure of PHI 	<p>DATE AND TIME: Tuesday, November 27, 2018 9:30-10:30am</p>	<p>PRESENTER(S): Hamangi Patel, MSW, CCRP Office of Research Compliance, And Haemar Kin, MHA, Human Research Protection Program</p>
--	--	---

CONTENT (Topics)

Applicability of HIPAA in research, including the following ways in which PHI can be used or disclosed for research purposes:

- Reviews Preparatory to Research
- Partial waiver of HIPAA authorization issued by the IRB
- Waiver of HIPAA authorization issued by the IRB
- HIPAA authorization obtained from subjects
- De-identified data sets



PREP Course #9: Returning Genetic Results

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Discuss the regulations surrounding studies involving genetic testing • Use Northwell Health genetic testing consent language when appropriate 	<p>DATE AND TIME:</p> <p>Tuesday, December 4, 2018 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Khadijah Holley, MBA, And Michael Rossano, Human Research Protection Program</p>
---	--	---

CONTENT (Topics)

- Explain the NYS Civil Rights Law Section 79-L and how it may apply to studies involving genetic testing
- Discuss CLIA and HIPAA regulations
- Know where to find our Northwell genetic testing consent language and when to incorporate it into consent forms

PREP Course #10: Mitigating Risk and Post Approval Monitoring for Laboratory Animal Research

WebEx Not Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Describe the post-approval monitoring (PAM) activities for laboratory animal research • Discuss ways to enhance one’s program and mitigate risk. 	<p>DATE AND TIME:</p> <p>Tuesday, December 11, 2018 2:00-3:00pm</p>	<p>PRESENTER(S):</p> <p>Alison Powell, LATG Office of Research Compliance, And Chantini Pyatt, RLAT, LVT Animal Welfare Office</p>
---	--	---

CONTENT (Topics)

- Explain and discuss the purpose of PAM.
- Discuss the functions of offices that perform monitoring functions such as the Office of Research Compliance and the Animal Welfare Office and their roles.
- Using the reviews to enhance quality and reduce risk.
- Case Study/Q&A.



PREP Roundtable #11: Managing Investigational Products at Ambulatory Sites

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> Describe considerations for managing investigational products at ambulatory research sites 	<p>DATE AND TIME:</p> <p>Tuesday, December 18, 2018 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Ji-Eun Kim, PhD, RPh, RAC, Director, Regulatory Affairs, And Edward Poon, RPh Director, Pharmacy – Ambulatory Services</p>
--	---	---

CONTENT (Topics)

- Investigational product management overview
- Considerations for procurement, storage, preparation, dispensation, administration and disposal of investigational products at ambulatory sites
- Considerations for pharmacy delegation

PREP Course #12: Export Controls: People, Places, and Things

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> Describe people, places, and things subject to export controls review 	<p>DATE AND TIME:</p> <p>Tuesday, January 8, 2019 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Emmelyn Kim, AVP, And Angela Pilla, Office of Research Compliance</p>
---	---	--

CONTENT (Topics)

- Review the Export Control policy and procedures
- Identify the people who should be screened
- Identify the places and activities that fall under the purview of Export Controls review
- How items and things are classified and require an export controls review
- Explain how to conduct a Restricted Party Screening

PREP Workshop #13: Mock IRB

WebEx Not Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p>	<p>DATE AND TIME:</p> <p>Tuesday, January 15, 2019</p>	<p>PRESENTER(S):</p> <p>Hallie Kassan, MS, CIP, and Jon Newlin, CIP</p>
---	---	--



<ul style="list-style-type: none"> Recognize the functions and roles of the IRB 	9:30-10:30am	Human Research Protection Program
CONTENT (Topics) <ul style="list-style-type: none"> Discuss how an IRB functions Explain the roles and responsibilities of an IRB Demonstrate how IRB decisions are made 		

PREP Course #14: Good Documentation Practices in Clinical Research WebEx Available		
OBJECTIVES: Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> Utilize good documentation practices to produce credible and reliable data while protecting the rights and well-being of the subjects. 	DATE AND TIME: Tuesday, January 22, 2019 9:30-10:30am	PRESENTER(S): Sharon Hochman, MA, Office of Research Compliance, And Melissa Scotti, PhD, Human Research Protection Program
CONTENT (Topics) <ul style="list-style-type: none"> Good record keeping practices Elements of Data Quality using ALCOAC The documentation life cycle of a study subjects file Ways to minimize audit/monitoring findings Documents needed to maintain for a research study from the initial IRB application to the closeout 		

PREP Course #15: Creating a Compelling and Effective Poster WebEx Available		
OBJECTIVES: Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> Prepare a poster that attracts interest and communicates research results effectively 	OBJECTIVES: Tuesday, January 29, 2019 2:00-3:00pm	PRESENTER(S): Bettie Steinberg, PhD, Provost
CONTENT (Topics) <ul style="list-style-type: none"> Why a poster requires a different approach to presenting data How to design an effective poster Common errors to avoid 		



PREP Course #16: Generating Startup Ideas Out of Problems

WebEx Available

<p>OBJECTIVES: Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> Identify situations in everyday life where there might be opportunities for user innovations. 	<p>DATE AND TIME: Tuesday, February 5, 2019 2:00-3:30pm</p>	<p>PRESENTER(S): Tom Thornton, SVP, And Eric Feinstein, Manager, Venture Investment Services</p>
--	---	--

CONTENT (Topics)

- Identify instances of user innovation around you
- Explore typical situations to begin conceptualizing a user innovation
- Generate and analyze opportunities for entrepreneurial innovation.

PREP Workshop #17: How to Process/Manage Your Time & Effort Certification vs. Salary Split Management

WebEx Not Available

<p>OBJECTIVES: Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> Differentiate between managing time and effort certification vs. salary split management 	<p>DATE AND TIME: Tuesday, February 12, 2019 9:30-10:30am</p>	<p>PRESENTER(S): Danny Halfant Manager, Finance Anell Adames, Finance Associate And Chris Joseph, Finance Associate Grants Management Office</p>
---	---	--

CONTENT (Topics)

- Fiduciary responsibility of T&E certification
- How and when to fill out the T&E form.
- How salary splits are entered on HR site.



PREP Workshop #18: Beyond Belmont: Our Moral Obligations to the Data Generation

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Describe the Historical Role of Research Subject Protection • Re-interpret Historical Protection Documents for the Modern Era • Introduce the Concept of Artificial Intelligence As a Tool for Health Management • Speculate as to the Future of the Healthcare Professional; Bedside and Techside 	<p>DATE AND TIME:</p> <p>Thursday, February 21, 2019 2:00-4:00pm</p>	<p>PRESENTER(S):</p> <p>Stephen Frattini, DVM, Office of Research Compliance, And Jan Horsky, PhD, Research Information Services</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Overview of the current guiding documents Belmont, Nuremburg, etc. and re assess them in for the Snapchat, Instagram and Facebook Generations. Are they as relevant as ever? • The use of A.I. in the clinic. What will the future of diagnostics, prognostics and bedside manner look like as we adopt more and more data critical methods of health management. 		

PREP Course #19: Common Misconceptions or Errors in the Statistical Interpretation of Research Studies – Part 1

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Identify common sources of misconceptions or errors in the statistical interpretation of research studies • Analyze the effect of these errors on research conclusions • Avoid making such errors and to correct such errors, when possible • Assess when a statistical consultation is warranted 	<p>DATE AND TIME:</p> <p>Tuesday, February 26, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p>Martin Lesser, PhD, EMT-CC, AVP, Director, And Joanna Fishbein, MPH Biostatistics Unit</p>
--	---	---



CONTENT (Topics)

- Interpretation of a Non-Significant Result
- Increasing Sample Size Leads to Better Results
- Within Group Difference vs. Between Groups Difference
- Multiple Testing
- Interim Analysis can be Biased
- Ignoring Clustering Effects
- Misconceptions of Non-Parametric Tests
- Handling of Missing Data
- Ignoring Regression to the Mean
- Regression Plots without the Data Points
- Randomization Failed
- Ignoring Confirmation Bias
- Creating an Optimal Cut Point
- Assumption of Linearity in Most Statistical Methods
- Association vs Causation
- Stratification is not Subgroup Analysis
- Matching is not Always Appropriate
- Clinical vs Statistical Significance
- Misinterpretation of Confidence Intervals
- Underutilization of Confidence Intervals
- Doing-it-Yourself Without Attention to Assumptions
- Removal of Outlier
- P-Value Reporting Bias
- Excluding Subjects Based on Outcomes
- Use of EMR Data

*The content of this lecture is adapted from: George BJ et al. *Common Scientific and Statistical Errors in Obesity Research*. *Obesity*, 24:4, 781–790. (2016). doi:10.1002/oby.21449

PREP Course #22: At Your Service...the GMO

WebEx Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> • Recognize the proposal review process and GMO submissions to the Sponsor 	Tuesday, March 5, 2019 9:30-10:30am	Dianne Bachan, And Anju Nayyar, MBA, MS, Grants Management Office



<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Award Types • Features of the SF424 • Importance of review of the FOA and Guidelines • Review of budgets & budget justification and their relevance to the proposal

<p>PREP Course #21: Writing a Competitive NIH Grant: Pitfalls and Fixes</p> <p>WebEx Available</p> <p><i>PREP Course #21 is the Required Prerequisite for PREP Workshop #23</i></p>		
<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Write the scientific parts of an NIH grant in a way that is compelling and potentially could be funded. 	<p>DATE AND TIME:</p> <p>Tuesday, March 12, 2019 2:00-3:00pm</p>	<p>PRESENTER(S):</p> <p>Bettie Steinberg, PhD, Provost</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Basics of grantsmanship • The structure of a good grant • Common errors to avoid 		

<p>PREP Course #20: Common Misconceptions or Errors in the Statistical Interpretation of Research Studies – Part 2</p> <p>WebEx Available</p>		
<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Identify common sources of misconceptions or errors in the statistical interpretation of research studies • Analyze the effect of these errors on research conclusions • Avoid making such errors and to correct such errors, when possible • Assess when a statistical consultation is warranted 	<p>DATE AND TIME:</p> <p>Tuesday, March 19, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p>Martin Lesser, PhD, EMT-CC, AVP, Director, And Joanna Fishbein, MPH Biostatistics Unit</p>



CONTENT (Topics)

- Interpretation of a Non-Significant Result
- Increasing Sample Size Leads to Better Results
- Within Group Difference vs. Between Groups Difference
- Multiple Testing
- Interim Analysis can be Biased
- Ignoring Clustering Effects
- Misconceptions of Non-Parametric Tests
- Handling of Missing Data
- Ignoring Regression to the Mean
- Regression Plots without the Data Points
- Randomization Failed
- Ignoring Confirmation Bias
- Creating an Optimal Cut Point
- Assumption of Linearity in Most Statistical Methods
- Association vs Causation
- Stratification is not Subgroup Analysis
- Matching is not Always Appropriate
- Clinical vs Statistical Significance
- Misinterpretation of Confidence Intervals
- Underutilization of Confidence Intervals
- Doing-it-Yourself Without Attention to Assumptions
- Removal of Outlier
- P-Value Reporting Bias
- Excluding Subjects Based on Outcomes
- Use of EMR Data

*The content of this lecture is adapted from: George BJ et al. *Common Scientific and Statistical Errors in Obesity Research*. *Obesity*, 24:4, 781–790. (2016). doi:10.1002/oby.21449

PREP Workshop #23: Writing a Competitive NIH Grant: Review of Your Specific Aims

WebEx Not Available

PREP Course #21 is the Required Prerequisite for this workshop

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
Upon completion of this session, participants should be able to: <ul style="list-style-type: none"> • Write a Specific Aims page that enhances a grant application • Evaluate participants’ Specific Aims pages • Identify areas of needed improvement 	Tuesday, March 26, 2019 2:00-3:30pm	Bettie Steinberg, PhD, Provost



CONTENT (Topics)

- Present an effective Specific Aims structure
- Group critique of sample problematic Specific Aims
- “Live” review of your submitted Specific Aims

PREP Workshop #24: Communicating Your Research Story

WebEx Not Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Apply communication techniques when speaking with the public about science and research. 	<p>DATE AND TIME:</p> <p>Thursday, April 04, 2019 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Emily Ng, Director, Research Communications</p>
--	---	--

CONTENT (Topics)

- Techniques on how to share your science story with the public.
- What is in a story, how best to present your story, etc.

PREP Course #25: Navigating the IBC Approval Process for Biological Agent Research

WebEx Available

Content requires a basic understanding of biological agent use.

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Develop registrations and risk assessments involving biological agents for IBC review and approval • Identify what is required to participate in Northwell’s program of biological agent use in research • Understand the PI and study personnel roles and responsibilities in biological agent research. • Understand the organizations commitment to biosafety and biosecurity. 	<p>DATE AND TIME:</p> <p>Tuesday, April 9, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p>Michelle Aparicio, BS, CPIA, Director, Animal Welfare Office,</p> <p>Stephen Frattini, DVM, Office of Research Compliance,</p> <p>And Raymond Pica, Biosafety Officer</p>
--	---	--



CONTENT (Topics)

- Background: NIH Guidelines, Human Gene Transfer, Northwell Health Biosafety Program
- Potential bottle necks when managing biological agents
- Components of the risk assessment
- Elements of a SOP for clinical trials involving biological agent
- Policy and requirements of IBC review and biosafety precautions
- The medical surveillance process

PREP Course #26: Clinical Trial Billing and Invoicing

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the internal processes for research billing, invoicing and expense reconciliation. 	<p>DATE AND TIME:</p> <p>Thursday, April 18, 2019 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Sumathy Sundarababu, PhD, Director, Finance and Contracts</p>
---	---	--

CONTENT (Topics)

- Service line studies and budgets
- SMART system and enrollment tracking
- Project ID setup and notification
- Reimbursement of services and site notification.

PREP Course #27: Introduction to Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Funding for Research

WebEx Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Describe the basics of these award mechanisms • Identify key areas of COI and compliance concern • Assess Northwell researchers' eligibility to receive R&D funding through these awards and sub awards. • Discuss maintaining compliance through the life of the award or subaward 	<p>DATE AND TIME:</p> <p>Tuesday, April 23, 2019 9:30-10:30am</p>	<p>PRESENTER(S):</p> <p>Scott Beardsley, Stephen Frattini, DVM, Office of Research Compliance And Diane Marbury, CRA, Director, Pre-Award, Grants Management Office</p>
--	--	--



CONTENT (Topics)

- Brief overview of the history of the program
 - Eligibility requirements
 - Conflict of Interest and compliance concerns including summary of government enforcement actions
 - Local application process for both prime and subawards
- Routing research taking place at or on behalf of Northwell Health for review and management of conflicts of interest.

PREP Workshop #28: How to Write an Effective Abstract

WebEx Not Available

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Prepare effective grant, paper and meeting abstracts. 	<p>DATE AND TIME:</p> <p>Tuesday, April 30, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p>Barbara Sherry, PhD, Professor of Molecular Medicine and of Medicine</p>
---	--	---

CONTENT (Topics)

- Review similarities and differences between grant, manuscript and meeting abstracts;
- Discuss key elements of effective grant, manuscript and meeting abstracts;
- Compare and contrast representative abstracts of each type in an interactive discussion format.

PREP Workshop #29: Mock Institutional Animal Care and Use Committee (IACUC)

WebEx Not Available

Content requires a basic understanding of IACUC operations/functions

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Summarize how an IACUC functions and how IACUC determinations are made. 	<p>DATE AND TIME:</p> <p>Tuesday, May 7, 2019 9:30-11:00am Cancelled</p>	<p>PRESENTER(S):</p> <p>Michelle Aparicio, BS, CPIA, Director, Animal Welfare Office</p>
---	--	---

CONTENT (Topics)

- Participants will be divided into different groups, representing IACUCs
- Discussion of different case studies
- IACUC Determination made for each case study



PREP Course #30: Introduction to Exploratory Data Analysis and Data Transformations – Part 1

WebEx Available

Participants should have taken statistics courses and/or be well-versed in statistics (pre-calculus level math)

PREP Course #30 is the Required Prerequisite for PREP Course #31

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the uses of measures of location and spread • Understand the concept of robust estimation • Understand how to display quick and robust summaries of data • Understand reasons for transforming data • Identify the appropriate transformation for a given set of data • Appreciate how transformations are part of our everyday experience 	<p>DATE AND TIME:</p> <p align="center">Friday, May 17, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p align="center">Martin Lesser, PhD, EMT-CC, AVP, Director, Biostatistics Unit</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none"> • Measures of location <ul style="list-style-type: none"> – mean, median, quartiles, quantiles • Measures of spread <ul style="list-style-type: none"> – range, standard deviation, interquartile range, interquantile range • Quick displays of data <ul style="list-style-type: none"> – stem-and-leaf plot, box (and whisker) plot • Objectives of Transformations <ol style="list-style-type: none"> a. To achieve homoscedasticity (ANOVA, t-Test do not work with unequal variances) b. To achieve normality c. To straighten out plots d. To conform to known physical laws <ol style="list-style-type: none"> a. To symmetrize/normalize b. To explore data c. To compare distributions d. To linearize plots e. To create confusion (??) <p>Ladder of powers Straightening x-y plots Example of robust regression</p>		



PREP Course #31: Introduction to Exploratory Data Analysis and Data Transformations – Part 2

WebEx Available

Participants should have taken statistics courses and/or be well-versed in statistics (pre-calculus level math)

PREP Course #30 is the Required Prerequisite for this course

<p>OBJECTIVES:</p> <p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the uses of measures of location and spread • Understand the concept of robust estimation • Understand how to display quick and robust summaries of data • Understand reasons for transforming data • Identify the appropriate transformation for a given set of data • Appreciate how transformations are part of our everyday experience 	<p>DATE AND TIME:</p> <p align="center">Friday, May 24, 2019 9:30-11:00am</p>	<p>PRESENTER(S):</p> <p align="center">Martin Lesser, PhD, EMT-CC, AVP, Director, Biostatistics Unit</p>
--	--	---

CONTENT (Topics)

- Measures of location
 - mean, median, quartiles, quantiles
- Measures of spread
 - range, standard deviation, interquartile range, interquantile range
- Quick displays of data
 - stem-and-leaf plot, box (and whisker) plot
- Objectives of Transformations
 - To achieve homoscedasticity (ANOVA, t-Test do not work with unequal variances)
 - To achieve normality
 - To straighten out plots
 - To conform to known physical laws
 - To symmetrize/normalize
 - To explore data
 - To compare distributions
 - To linearize plots
 - To create confusion (??)

Ladder of powers

Straightening x-y plots

Example of robust regression



PREP Course #32: The Ins and Outs of Sub-awards

WebEx Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
<p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> List the elements of a subaward Recognize policies and Procedures related to subawards Interpret compliance considerations that may affect the planning and issuing of subawards Identify what occurs during the proposal and issuance phases. Identify roles and Responsibilities of all involved in the sub award process 	<p>Tuesday, May 28, 2019 9:30-10:30am</p>	<p>Tiffany Chapman, MPA, CCRP, Assistant Director Pre-Award, And Andrea Rotun-Sparacio, Senior Program Specialist, Grants Management Office</p>

CONTENT (Topics)

- What is a subaward?
- Other types of agreements – service contracts, fee for service, sponsored research agreement, etc.
- Policies, Laws and procedures that govern subawards.
- Proposal Stage vs Issuance
- Things to consider before issuing a subaward. (compliance)
- Subrecipient Monitoring
- Questions and Answers

PREP Course #33: Regulatory Myths

WebEx Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
<p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none"> Summarize common regulatory myths related to human subjects research 	<p>Tuesday, June 4, 2019 9:30-10:30am</p>	<p>Michael Rossano, Human Research Protection Program And Melissa Scotti, PhD, Office of Research Compliance</p>

CONTENT (Topics)

- Current regulatory myths pertaining to the conduct of human subjects research, including federal, local (Northwell Health), and state myths
- Common pitfalls of regulatory myths and how to avoid them



PREP Workshop #34: Using Chocolate Chip Cookies to Demonstrate Statistical Concepts

WebEx Not Available

OBJECTIVES:	DATE AND TIME:	PRESENTER(S):
<p>Upon completion of this session, participants should be able to:</p> <ul style="list-style-type: none">• Recognize proper study design, the development of a research protocol, and study logistics and execution.• Demonstrate the key concepts of statistics including variability, graphical analysis, and characterization of data distributions, sampling error, exploratory data analysis, and hypothesis testing.	<p>Tuesday, June 11 2019 9:30-11:30am</p>	<p>Martin Lesser, PhD, EMT-CC, AVP, Director, Biostatistics Unit</p>
<p>CONTENT (Topics)</p> <ul style="list-style-type: none">• <i>Participants will be asked to collaborate and propose a research study design to answer the following question: Is the average number of chocolate chips in Brand A cookies different from that of Brand B cookies?</i>• <i>Upon agreement on a final protocol, the group will execute that protocol (with real YUMMY chocolate chip cookies), perform appropriate statistical analyses, and draw a final conclusion.</i>• <i>Bring your own milk!</i>		