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AND MASSACHUSETTS GENERAL HOSPITAL



Insight 4.0

Project Update

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Research Applications and Analytics*

MGH Research Council
March 2016

Agenda

- Project Scope
- Project Drivers
- Key Enhancement Areas
- Timeline
- Next Steps/Questions

Project Scope

Insight 4.0

Project Overall

- Insight/InfoEd are undergoing a significant overhaul to upgrade underlying technologies and improve the overall user experience within the application
- Screen layouts are based on end user focus groups held with an external design firm focused on improving the organization and layout of application pages and processes
- Technology upgrades are being applied to improve the overall application performance
- Features and enhancements identified are based on user groups formed within each of the areas of the applications

- Application Areas in Scope:
 - Insight Agreements
 - InfoEd Proposal Submission/Tracking
 - Insight Effort Reporting
 - Insight eIRB
 - Insight eIACUC
 - Insight COI/Disclosures
 - Insight eIBC
 - Insight Meetings Management

- Each application area has formed user groups to help provide input to design and new feature requirements
 - Information gathered from help desk tickets, feedback from meetings and other inputs were used to help define priorities
 - Groups were comprised of central and department administrators as well as investigators

Project Drivers

Insight 4.0

What we have heard..

- The applications have become feature rich but too hard to use
- Investigators are frustrated but the amount of time it takes to complete what should be simple tasks
- People cannot easily find what they are looking for to track a grant or where a protocol may be in the review process
- They lack application patterns that people have become accustomed to in other applications – wizards to walk through a process, organization of information, etc.
- The applications are critical to scale in order to meet new demands for compliance and automation of the research enterprise at a time of decreasing budgets and staffing
- The applications are too slow and do not work well across different browsers/platforms

What we need to do..

- Decrease the frustration that people have completing application functions
- Improve quality so that there are few issues in specific application areas
- Increase the application response time so that people can get through tasks more quickly
- Make the processes smarter so that redundant information collection is minimized
- Improve the user experience so that they feel like the solutions work for them

Key Enhancement Areas

Insight 4.0

Focus Areas of Improvement

- Overall site organization and layout
 - Standardization of page layouts, buttons and icons

- Site Navigation

- Submission Process

- Tracking Approvals

- Integrated Help Menus

- Online Review

- Activities/Notifications

Organization/Navigation

Isabelle S. Researcher Search by Protocol, Title, PI or Species Help Feedback

Animals

Activities 11

Notifications 4

Actions

- Create Protocol
- Add Amendment
- Add Annual Review
- Add Triennial Review
- Clone Protocol

Protocol List 83 [Download Results](#)

Find your protocol by title or ID [Advanced](#) View: [All](#) Active Pending WIP Inactive Tissue

Title	Protocol #	PI Name	Status	Status Date	Expires
Pig to Pig Liver Transplantation	2014N000089	Seemantini Nadkarni	Active	28 Jan 2014	20 Dec 2014
AME 1	IACUC Review - Designated		Req Mod	18 Jan 2015	
Regulation of dermal papilla cell number	2014N000023	Seemantini Nadkarni	Active	28 Jan 2014	19 Apr 2014
TR 1	IACUC Review - Full 16 Dec 2014		Req Mod	28 Jan 2015	
TR 1	Biosafety		Pending	28 Jan 2015	
TR 1	NIH Grant		Pending	28 Jan 2015	
Insulin-like Actions of GLP-1	2014N000014	James Michaelson	Pending	27 Jan 2014	2 Apr 2015
AME 13	IACUC Review - Administrative		Req Mod	27 Jan 2015	
Optical and ultrasound image guided photodynamic....	2014N000037	Anastasia Yendiki	Pending	25 Jan 2014	1 Nov 2014
AME 11	IACUC Review - Designated		Pending	25 Jan 2015	
MPG33_Test MGH Protocol_DR-ReqMod-DR-PA-DR		Katia Georgopoulos	InProg		
IR	IACUC Review - Full 21 Jan 2015		Pending	Started: 18 Dec 2014	
The Efficacy of Cucurbit[n]uril as a Selective Reversal Agent...	2014N000061	Seok-Hyun Yun	Active	25 Jan 2014	25 Nov 2015
TR 1	IACUC Review - Designated 21 Jan 2015		Pending	25 Jan 2015	
MPG33_DR Validation for Visio Diagram	2014N000099	Isabelle Shepard	Active	23 Jan 2014	13 May 2014
IR	IACUC Submitter Review - Designated 02 Nov 2014		Deferred		
Role of nitric oxide recept soluble guanylate cyclase alpha-1 on the....	2010N000019	Bohdan Pomahac	Active	23 Jan 2014	18 Jul 2015
AME 4	IACUC Review - Designated		Pending	18 Dec 2015	

Record View

Isabelle S. ▾ Researcher ▾Help Feedback

Animals

- Activities 11
- Notifications 4
- # **2012N000001**
- Forms ▾
- Sponsor / Funding
 - NIH-NIAMS National Institute...
- Common Forms
 - Housing
 - Pharmacological Agents
 - Potential Pain and Distress
 - Literature Search- Alternatives
- Hazardous Materials in Vivo
 - Aerolysin
 - Cetuximab (Erbixux)
- Staff
- Attachments
- Actions ▾

Regulation of Dermal Papilla Cell Number

#2012N000001 Active Species: Mice PI: [Bruce Morgan](#) PA: [Diane McCabe](#) [less](#)

Shortname: Dermal Papilla Study	Radioisotope: No	Project Start: 18 Jan 2012
Institution: MGH	Biological Agent: Yes	Project End: 18 Jan 2015
Legacy Number:	Toxic Chemicals: No	Approval Date: 10 Apr 2014
Proposal Number: 2011D004259	Tissue Testing: No	Expiration Date: 18 Jan 2015
Fund Number: 221162	PIBC Number:	
Sponsor: NIH-NIAMS	# of Animals: 924	

Download ▾

- Full Application
- Application

Transaction status

TR 1 Req Mod

Attachments

Name ▾	Version ▾	Version Date ▾	Type ▾	Uploaded ▾	Forms ID ▾	
Safety Info_01	1.0	8 Mar 2014	Safety Info	10 Mar 2014	TR 1	
Safety Info_02	2.0	25 Aug 2014	Safety Info	28 Aug 2014	TR 1	
Point by Point Response	1.0	21 Mar 2012	Point by Point Response	25 Mar 2012	IR	

Review Letters

Forms ID ▾	Review Type ▾	Last Updated ▾	
TR 1	IACUC Full Review	02 Dec 2014	
AME 3	IACUC Designated	10 Apr 2014	
AR 2	IACUC Admin Review	08 Jan 2014	
AME 2	IACUC Designated	26 Nov 2012	
AME 1	IACUC Designated	10 May 2012	

Help Feedback

Draft | **Active**

View: All IR AME AR TR

2014 ▾

TR 1 Req Mod Received: 02 Dec 2014
Updated: 02 Dec 2014

AME 3 Received: 10 Apr 2014
Approved: 10 Apr 2014

AR 2 Received: 08 Jan 2014
Approved: 08 Jan 2014

2013 ▾

AR 1 Received: 20 Nov 2012
Approved: 18 Jan 2013

2012 ▾

AME 2 Received: 30 Nov 2012
Approved: 30 Nov 2012

AME 1 Received: 24 Apr 2012
Approved: 10 May 2013

IR Received: 04 Jan 2012
Approved: 02 Feb 2012

Initial Submission Process

Isabelle S. | Researcher | Search people, registrations or documents

Animals

Protocol Information | Title and nature of the study | Forms | Staff | Attachments

Help | Feedback

Draft

IR | In Progress | Started: 10 Mar 2012 | Updated:

Tell us about your study

What is the full title of your study?

Regulation of Dermal

Your answers will determine what information is required for review by the Institutional Animal Care and Use Committee.

Is there another name you want your protocol known by?

(Optional) A shorthand name you and your staff use for your study

Instructions

Submission Checklist

Registration Information

Enter a title for your study

Indicate where your study will take place

Describe how the research will be conducted

Describe the nature of the study

Which institution will the research be conducted at?

MGH or SHC

BWH

McLean

Does the proposed research involve the following?

The entire animal research project will be conducted at the selected institution.

Only a portion of the animal research project will be conducted at the selected Institution. This includes but is not limited to housing, surgery procedures, behavior assessments, imaging sessions, etc.

The entire animal research project will be completed elsewhere, however, the work will be funded in part or whole through the selected Institution.

Does the proposed study involve the use of?

Any live animal (ie. mouse, rat, rabbit, dog, cat, swine, sheep, nonhuman primate, etc)

Animal tissues (whole dead animal included) or products, not otherwise approved by the IACUC as part of the investigator's own animal research protocol.

Next >

Save

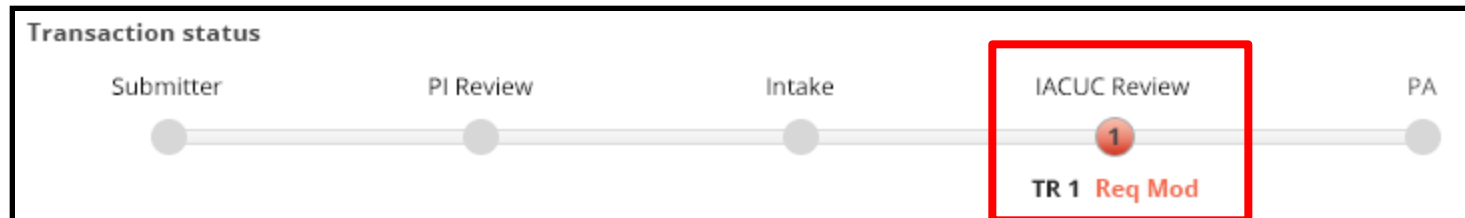
Submit

Submission Tracking

Status Bars have been introduced to allow for the ability to instantly track any submission at a high level

☆	Regulation of dermal papilla cell number	2014N000023	Seemantini Nadkarni	Active	28 Jan 2014	19 Apr 2014
TR 1	IACUC Review - Full	16 Dec 2014	Req Mod		28 Jan 2015	
TR 1	Biosafety		Pending		28 Jan 2015	
TR 1	NIH Grant		Pending		28 Jan 2015	

This graphic is displayed on the Module Landing page and allows for a high level overview of where a submission is in its review cycle and how much further it may have to go.



This graphic is found on the protocol details page and displays a more detailed view of the submission tracking graphic

Staff & Access

Isabelle S. ▾ Researcher ▾

Help Feedback

Humans

Animals

Activities

Notifications

Initial Submission InProg

Forms

- ✓ Sponsor / Funding
 - NIH-NIDA National Institute on Drug Abuse
- ✓ Anesthesia
 - Anesthesia During Imaging
- ✓ Initial Standard Application
 - Standard Application
- ✓ Common Forms
 - Housing
 - Transportation
 - Pharmacological Agents
 - Potential Pain and Distress
 - Literature Search - Alternatives
 - Abstract
 - Detailed Research Plan
 - Duration, Clinical Signs, Endpoints and Euthanasia
- ✓ Hazardous Materials in Vivo
 - Fluorine-18 (F-18)
 - Carbon 11 (C-11)
- ✓ Procedures
 - PET Imaging
 - Daily Injection Procedure

Staff

Attachments

Protocol Info.
Forms
Staff Add staff and assign roles for your study
Attachments

Regulation of Dermal Papilla Cell Number IR InProg
Modified: 02 Aug 2014

In Progress
Species: Mice
[more](#)

Staff

Study Staff (1)

Name ▾	ID ▾	Affiliation ▾	Role ▾	Permission ▾	CTI ▾	OCC Health Clearance ▾	AM/TR ▾	Staff Certification ▾	Contact ▾
Jacob Hooker	JH926	MGH > Radiology > Nuclear Medicine	Principal Investigator	Manage	14 Dec 2014			27 Sep 2013 Update	Yes
Sarah A			+ External Staff						
Sarah Abbett	SA859	BWH > Surgery							
Sarah Ackroyd	SAA62	MGH							
Sarah Aghjayan	SLA32	BWH > Neurology							
Sarah Aldridge									
Sarah Alexander									
Sarah Alhaddad	SK49	Partners							
Sarah Alsamara	SA800	MGH > Medical Service > Reproductive Endocrine							

Draft | Active

IR | In Progress | Started: 02 Aug 2014 | Updated:

Instructions

Submission Checklist

Staff

Add a principal investigator to your study

Assign roles to each study staff

Assign permissions to each study staff

< Prev
Next >
Save
Submit

Future State - Attachments

Isabelle S. ▾ Researcher ▾

Help Feedback

Humans

Animals

Activities

Notifications

Initial Submission InProg

- Forms
- ✓ **Sponsor / Funding**
- ✓ NIH-NIDA National Institute on Drug Abuse
- ✓ **Anesthesia**
- ✓ Anesthesia During Imaging
- ✓ **Initial Standard Application**
- ✓ Standard Application
- ✓ **Common Forms**
- ✓ Housing
- ✓ Transportation
- ✓ Pharmacological Agents
- ✓ Potential Pain and Distress
- ✓ Literature Search - Alternatives
- ✓ Abstract
- ✓ Detailed Research Plan
- ✓ Duration, Clinical Signs, Endpoints and Euthanasia
- ✓ **Hazardous Materials in Vivo**
- ✓ Fluorine-18 (F-18)
- ✓ Carbon 11 (C-11)
- ✓ **Procedures**
- ✓ PET Imaging
- ✓ Daily Injection Procedure

Staff

Attachments

Protocol Info. > Forms > Staff > Attachments
Forms and documents for study

Regulation of Dermal Papilla Cell Number IR InProg

In Progress Species: Mice

Modified: 02 Aug 2014

[more](#)

Attachments

Name	Version	Version Date	Type	Uploaded	Attachment Mode	Forms ID	
Flowchart	1.0	14 May 2012	Flowchart	14 May 2012	Electronic	IR	Modify ×

Draft Active

IR In Progress Started: 02 Aug 2014
Updated:

Instructions ^

Submission Checklist v

Submission

Your application is complete. Submit it to IACUC for review.

I have carefully reviewed the protocol and confirm my sign off.

Submit

< Prev
Next >

Response to Review

Regulation of Dermal Papilla Cell Number IR Response Modified: 2 Dec 2014

#2012N000001 Active Species: Mice PI: Bruce Morgan PA: Diane McCabe

Forms > **Potential Pain and Distress**

General Review Comments 01 Jan 2015
Please see the changes noted on Potential Pain and Distress Form, as well as Safety Info. Otherwise your application looks good.

Isabelle Shepard 04 Jan 2015
You can respond to the reviewer's general comment here. Respond to targeted comments individually.

Submission Checklist

- The review of your protocol came back requiring changes. Respond to the reviewer comments and indicate whether you have followed their instructions to make a change in your study or have declined to make the change. If you decline making a change, you must provide a reason why.
- Forms
- Respond to reviewer's general comment
- Respond to reviewer's comment on Potential Pain and Distress

General Comments will allow IACUC Administrators to leave comments that are specific to particular questions within a form, or area with and Access Grid, or Attachments page.

Targeted Comments will allow IACUC Administrators to leave comments that are specific to particular questions within a form, or area with and Access Grid, or Attachments page.

These alerts will allow a user to clearly see what areas of their application need to be addressed as these tallies will aggregate all of the comments within a certain form or area within the application

The Submission Checklist allows the user to see all of the areas that need to be addressed with instructions on what needs to be carried out in an exact manner.

Does the protocol involve teaching, research experiments, surgery or...
alve pain or distress, and for which appropriate anesthetic, analgesic or tranquilizing drugs are not used because they would

Disagree Agree
Additional comments (optional)
Cancel Comment

Save Submit

Targeted Commenting

When a Reviewer hovers over a question with their mouse, the below prompt will display

A screenshot of a user interface showing a question: "Will the animals in this study require any special handling or husbandry requirements?". Below the question are four radio button options: "Breeding", "Immunocompromised", "Genetically modified animals" (which is selected), and "Other". A semi-transparent grey box with rounded corners is overlaid on the right side of the question, containing the text "Click the area to make a targeted comment for this section.".

Once a Reviewer clicks the question, the below comment box will be available for comments

A screenshot showing two parts of the interface. On the left, the same question and options as in the previous image are shown, but now they are highlighted with a yellow background. On the right, a comment box is displayed. It has a yellow background and a white text input area with the placeholder text "Comment on the targeted area.". Below the input area are three elements: a trash can icon, the text "Cancel", and a button labeled "Comment".

Tracked Changes

Isabelle S. | Researcher | Search

Humans

Animals

Activities

Notifications

2012N000001 AME 1 In Progress

Forms

Sponsor / Funding
NIH-NIDA National Institute on Drug Abuse

Anesthesia
Anesthesia During Imaging

Initial Standard Application
Standard Application

Common Forms
Housing
Transportation
Pharmacological Agents
Potential Pain and Distress
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Hazardous Materials in Vivo
Fluorine-18 (F-18)
Carbon 11 (C-11)

Procedures
PET Imaging
Daily Injection Procedure

Staff

Attachments

Regulation of Dermal Papilla Cell Number AME InProg Modified: 2 Dec 2014
#2012N000001 Active Species: Mice PI: Bruce Morgan PA: Diane McCabe [more](#)

Attachments

Name	Version	Version Date	Type	Uploaded	Attachment Mode	Forms ID	
Mouse PET Flowchart	1.1	04 Jan 2015	Flowchart	10 Oct 2014	Electronic	AME	Edited ✕
Preliminary Review Letter	1.0	07 Sep 2014	Other	07 Sep 2014	Electronic	IR	✕
Safety info	1.0	08-Mar-2014	Safety Info	10-Mar-2014	Electronic	AME	Deleted ↺
Safety Info	2.0	04 Jan 2015	Safety Info	04 Jan 2015	Electronic	AME	Added ✕
Point by Point Response	1.0	21 Mar 2012	Point by Point Response	21 Mar 2012	Electronic	IR	✕

+ Drag & drop files here or select files from your computer

Show Versions Show archived documents

< Prev Next >

Help Feedback

Draft Active

AME 1 In Progress Started: 04 Jan 2015 Updated:

Instructions

Submission Checklist

Save Submit

- Shows when content has been edited
- Shows when content has been deleted
- Shows when content has been added

Activities & Notifications



Activities 11 View: [All](#) IR AME AR TR
Sort: [Oldest](#) Newest

Notifications 4

Actions

- Create Protocol
- Add Amendment
- Add Annual Review
- Add Triennial Review
- Clone Protocol

Towards a Preclinical Large Animal ...
IR study staff sign off
3 days ago

Imaging of glutamate homeostasis ...
IR study staff sign off
6 days ago

Vagus Nerve Stimulation and ...
IR study staff sign off
1 week ago

Biology of ovarian stem cell
TR-InProg-1 study staff sign off
2 weeks ago

Activities 11 Find your protocol by title or ID

Notifications 4 Sort: Oldest [Newest](#)

Actions

- Create Protocol
- Add Amendment
- Add Annual Review
- Add Triennial Review
- Clone Protocol

Regulation of Dermal Papilla ×
TR is expiring in 60 days.
1 month ago

Regulation of Dermal Papilla ×
TR is expiring in 90 days.
2 months ago

Regulation of Dermal Papilla ×
TR is expiring in 120 days.
4 months ago

Regulation of Dermal Papilla ×
Protocol Status Change.
12 months ago

Timeline

Insight 4.0

Schedule Approach

- Project is organized into three primary tracks or sub-teams
 - Disclosures (COI)/Effort Reporting
 - Agreements/InfoEd PD/PT
 - eIRB, eIACUC, eIBC and Meetings

- We plan on announcing beta versions to the community in order to receive feedback on specific features in the coming months

- The System will run in parallel for a period of time with existing applications until certain criteria are met for a full cutover

- Extensive training plans and approaches are in development to assist with the overall transition

Delivery Schedule - eIRB, eIACUC, eIBC, Meetings

Q2 FY16

Q3 FY16

Q4 FY16

Q1 FY17

Development

Testing

Beta/Go Live

Delivery Schedule - Disclosures/Effort

Q2 FY16

Q3 FY16

Q4 FY16

Q1 FY17

Development

Testing

Beta/Go Live

Delivery Schedule - Agreements/InfoEd

Q2 FY16

Q3 FY16

Q4 FY16

Q1 FY17

Q2 FY17

Financials

Deliverables

Proposals

Post Award

Delivery Schedule - Overall

Q2 FY16

Q3 FY16

Q4 FY16

Q1 FY17

Q2 FY17

Development

Testing

Beta/Go Live

Next Steps

Insight 4.0

Project Updates on the Navigator

The screenshot shows a SharePoint page for the 'Insight 4.0 Upgrade' project. The top navigation bar includes 'Office 365' and 'Sites'. The main header features the 'Research NAVIGATOR' logo and a search bar. Below the header is a menu with categories: APPLY (Funding, IRB/IACUC/PIBC), INITIATE (Agreements, Funds, Transfers, Set-Up), MANAGE (Inventions, Funds, Reporting, Labs, IRB/IACUC/PIBC), RESOURCES (Forms/SOPs, Training, Compliance, CORES, News), DEPARTMENTS (Partners Research & Hospitals), MY PORTAL (Activity Feed & News), and APPS (Enterprise Applications). The breadcrumb trail reads: Home > Resources > Systems & Access: InfoEd, Insight, PeopleSoft > Insight > Insight 4.0 Upgrade.

The main content area is titled 'Insight 4.0 Upgrade'. On the left, a sidebar menu lists: Insight 4.0 Upgrade, Agreements 4.0, Disclosures 4.0, Effort 4.0, eIACUC 4.0, eIBC 4.0, eIRB 4.0, Meetings 4.0, and Recent. The main content area contains two large boxes labeled 'Global Landing' and 'Humans Landing'. To the right, there is a 'Key Contact' section for Monica Anderson, Associate Director, Research Applications and Analytics, with contact information: 617-835-6600 and moanderson@partners.org. Below this is a 'Resources' section with links for 'Request Access to Research Management Systems - DEPT ONLY' and 'Insight Login'.

Overview

Over the past five years, many features have been added to Insight making it a critical Research Enterprise application. Historically, this additional functionality was prioritized by module and business area in order to meet external regulatory changes, respond to customer feedback and to implement process improvement initiatives.

Based on user feedback throughout the past year, an initiative began to assess the best approach to provide the Research Community with a system that possesses intuitive site navigation and robust application tracking. Design concepts were created with the end user in mind and validated with user focus groups from various roles and institutions. As a result, in fiscal year 2015, Partners approved the Insight 4.0 Usability Project which encompasses a complete system redesign across the Insight platform. The entire Research Applications team is excited to have the opportunity to work closely with the Research Community on this very important project.

Thank you!

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