

E-PROJECT:

A WEB-BASED SYSTEM TO ENHANCE THE PURE MATRIX OF PROJECT MANAGEMENT FOR BIOSTATISTICAL INFORMATICS

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Project Management

- Role of a Project Manager is to act as a liaison, a point of contact on all projects and grants for the department faculty, staff and our collaborating investigators.
- Project Managers ensure the objectives of a project, according to scope, quality, time and cost, are carried out effectively and efficiently.
- In **2009**, we collaborated with **151** investigators on **249** projects and **104** grants.
- The Department of Biostatistics has **8** faculty appointments and **16** staff members.



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Project Database

- Key Elements

- Efficiency and Accuracy

- Data Capture
 - Accessibility
 - Visibility
 - Reporting

- CRIS (Comprehensive Research Information System), powered by Velos

- Implemented at The University of Kansas Cancer Center in 2007

- Data management solution for clinical research.

- Central web-based application to manage each trial from start to finish.

- Regulatory Processes
 - Patient Screening/Enrollment
 - Patient Calendars
 - Electronic CRFs
 - Budgets: study and patient
 - Reporting



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eProject Development

- Tested CRIS to make sure we could transform it into a fully functional Project Management database.
- Collaborated with Velos to obtain a separate environment from CRIS for eProject.
- Convert clinical research language to project and grant language.
- Establish end users, security and user role access.
- Migrate current project and grant data from our MS Access database over to eProject.
- Data cleaning and report creation.
- From the time of concept to the time our department went live on eProject was 6 months.



eProject-Homepage and Project Search

- eProject navigation from main menu and project search fields.
- Multiple ways to search for a specific project or a user may View All Projects they are a team member of.

The screenshot displays the eProject homepage interface. On the left is a vertical navigation menu with items: Homepage, Personalize Account, Manage Account, Manage Projects, Library, Manage Patients, Budget, Milestones, Report Central, Dashboards, Ad-Hoc Queries, Help, and Logout. The main content area features a search bar with a 'Search' button and a link to 'ADVANCED SEARCH'. Below the search bar is a 'Last Modified Projects' table with columns for Project Number, Project Title, and Project Status. The table lists four projects with checkboxes and links to their status pages. To the right of the table is a 'VIEW ALL PROJECTS' link. Below the table are two 'My Links' and 'Quick Links' sections, each with an 'Edit' button. The 'Quick Links' section includes links for 'Department of Biostatistics' and 'National Institutes of Health'. At the bottom left, there is a 'Recently Assigned Tasks' table with columns for 'List All Tasks', 'Project', and 'Due Date'. The footer area includes the current user name 'Megan Parks', system time zone information, and links for 'Daily Reporting' and 'Monthly Reporting'.

Project Number	Project Title	Project Status
LaiSue_20091015_a	Colorectal Cancer Disparities Among The Low-Income Disabled With Medicaid	Grant Submitted
LaiSue_20090424_a	Kansas Cancer Registry	Grant Funded
GajewskiByr_20081031_a	Flexible Stochastic Data Envelopment Analysis In Presence Of Measurement Error	Grant Unfunded
BarohnRic_20090801_a	Institutional Clinical and Translational Science Award (CTSA)	Grant Unfunded
DonnellyJos_20090313_b	NFL	Grant Unfunded

Recently Assigned Tasks	List All Tasks	Project	Due Date



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eProject-Summary

- Houses data uploaded from the project registration form.
- Helps us identify and separate projects and grants.

The screenshot displays the 'eProject-Summary' web application. At the top, there is a navigation bar with the 'velos' logo and icons for 'Project Search' and 'Report Central'. Below this is a secondary navigation bar with tabs for 'Summary', 'Versions', 'Admin Schedule', 'Project Setup', 'Notifications', 'Project Status', 'Reports', 'Project Team', 'Broadcast', and 'Forms'. The 'Summary' tab is active.

On the left side, there is a vertical menu with the following items: 'Homepage', 'Personalize Account', 'Manage Account', 'Manage Projects', 'Library', 'Manage Patients', 'Budget', 'Milestones', 'Report Central', 'Dashboards', 'Ad-Hoc Queries', 'Help', and 'Logout'. Below the menu, it shows 'Current User: Megan Parks' and 'System Timezone: (GMT-06:00) Central Time (US and Canada)'. There are also links for 'Daily Reporting' and 'Monthly Reporting'.

The main content area is titled 'COPY AN EXISTING PROJECT' and contains the following fields:

- Project Entered By ***: Project Registration (SELECT USER)
- Principal Investigator**: Catherine Cole (SELECT USER)
- PI as entered (PR form)**: Catherine Cole
- Project Contact**: Megan Parks (SELECT USER)
- Grant Deadline Date**: 11/05/2010
- Project Number**: ColeCat_20100225_a (MORE GRANT DETAILS)
- Title ***: Natural History of Co-occurring Obstructive Sleep Apnea, Coronary Heart Disease, and Cognitive Impairment
- Project Objective**: (Empty text area)
- Comments, Description, or Other Information**: I have accepted a position in the School of Nursing and will begin my appointment during the summer of 2010. I have been told that Dr. Byron Gajewski may have experience with secondary analysis of pre-
- Department**: School of Nursing
- Type**: Grant
- Center Affiliation**: (Empty text area) (SELECT CENTER(S))
- IRB Approval #**: 0
- IACUC Approval #**: (Empty text area)
- Date of Initial Contact**: 02/25/2010
- Is This In The Project/Study Development Phase?**: Yes
- Cancer or Cancer Related?**: No
- Do You Need Statistical Analysis?**: Yes
- Do You Need Data Management?**: Yes



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eProject-Versions

- Attach electronic copies of files (.pdf, .doc, .xls, etc.)

Current Page: Project >> versions

Project Number: GarimellaRam_20090521_a

Search By
 Version: Category: Type: Status:

Associated Versions Listed Below [ADD NEW VERSION](#)

Version	Version Date	Category	Type	Section	Appendix	Version Status	Delete
B11	03/01/2010	Budget Justification	Final	Sections (0)	Attachments (1)	Work in Progress <input type="checkbox"/> H	<input type="checkbox"/> Copy
IRM2	02/22/2010	Initial Review Meeting	Revision	Sections (0)	Attachments (1)	Work in Progress <input type="checkbox"/> H	<input type="checkbox"/> Copy
PI Resubmission Email	02/16/2010	Miscellaneous	Revision	Sections (0)	Attachments (1)	Work in Progress <input type="checkbox"/> H	<input type="checkbox"/> Copy
LOS1	05/27/2009	Miscellaneous	Initial	Sections (0)	Attachments (1)	Work in Progress <input type="checkbox"/> H	<input type="checkbox"/> Copy
PR1	05/22/2009	Project Registration	Initial	Sections (0)	Attachments (1)	Work in Progress <input type="checkbox"/> H	<input type="checkbox"/> Copy

1 to 5 of 5 Record(s) 1

Current User: Megan Parks
 System Timezone: (GMT-06:00) Central Time (US and Canada)
[Daily Reporting](#)
[Monthly Reporting](#)



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eProject-Project Status

- Document all significant statuses and dates for a project or grant.

Project Search Report Central

Summary Versions Admin Schedule Project Setup Notifications **Project Status** Reports Project Team Broadcast Forms

Project Number: PetroffBr_20090609_a

Search by Organization: All Search

Current Status	Project Start Date	Project End Date
Grant Submitted		Change Dates

Project Status History: [ADD NEW STATUS](#)

Organization	Project Status	Status Valid From	Status Valid Until	Meeting Date	Notes
Department of Biostatistics	Grant Submitted	10/15/2009	-	-	-
	Grant In Development	06/22/2009	-	-	-

Project Search Report Central

Summary Versions Admin Schedule Project Setup Notifications **Project Status** Reports Project Team Broadcast Forms

Project Number: BermanNan_20091117_a

Search by Organization: All Search

Current Status	Project Start Date	Project End Date
Project Completed	12/01/2009	Change Dates

Project Status History: [ADD NEW STATUS](#)

Organization	Project Status	Status Valid From	Status Valid Until	Meeting Date	Notes
Department of Biostatistics	Project Completed	12/18/2009	-	-	Power Analysis Only
	Project Active	12/01/2009	-	-	-
	Project In Development	11/18/2009	-	-	-



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eProject-Admin Schedule

- Document and track significant calendar dates pertaining to departmental workflow for a project or grant.

Current Page: Project >> Admin Schedule

Project Search Report Central

Home Page Summary Versions **Admin Schedule** Project Setup Notifications Project Status Reports Project Team Broadcast Forms

Personalize Account Project Number: FrazierLin_20091216_a

Manage Account

Manage Projects Linked Administrative Calendars are: COPY AN EXISTING CALENDAR SELECT A CALENDAR FROM YOUR LIBRARY

Name	Description	Calendar Status	Status Details	Reports	Delete
Grant Calendar	Grant Calendar	Active	Status Details	Preview Schedule	X

Budget

Milestones

Report Central

Dashboards

Ad-Hoc Queries

Help

Logout

Current User: Megan Parks

System Timezone: (GMT-06:00) Central Time (US and Canada)

Daily Reporting Monthly Reporting

Schedule Displayed: Grant Calendar Schedule Start Date: 12/16/2009 Submit

Visit: All Month/Year: All All Event: All Status: All Search

Visit	Suggested Date	Actual Scheduled Date	Visit Window	Events	Event Status
December 2009					
Project Registration					
	12/16/2009	12/16/2009 c	-	Project Registration	Done C H 12/16/2009
	12/16/2009	12/16/2009 c	-	Schedule Initial Meeting ⁰	Done C H 12/16/2009
January 2010					
Initial Review Meeting					
	01/15/2010	01/15/2010 c	-	Initial Review Meeting	Done C H 01/06/2010
	01/15/2010	01/15/2010 c	-	Abstract, Aims, Measures Received	Done C H 01/06/2010
	01/15/2010	01/15/2010 c	-	Misc event (see notes) ⁰	Done C H 01/06/2010
March 2010					
Budget					
	03/16/2010	03/16/2010 c	-	Deadline - Grant	Done C H 02/15/2010
	03/16/2010	03/16/2010 c	-	Budget Submitted	Done C H 01/22/2010
	03/16/2010	03/16/2010 c	-	Budget Approved	Done C H 02/15/2010
	03/16/2010	03/16/2010 c	-	Statistical Design Completed	Done C H 02/15/2010
	03/16/2010	03/16/2010 c	-	Misc event (see notes) ⁰	Done C H 02/15/2010
	03/16/2010	03/16/2010 c	-	Routing Sheet Signed	Done C H 02/15/2010
March 2011					
Grant Awarded					
	03/11/2011	03/11/2011 c	-	Grant Funding Awarded	Not Done C H
	03/11/2011	03/11/2011 c	-	Kick Off Team Meeting	Not Done C H

1 to 13 of 18 Record(s)

12



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eProject-Budgets

- % effort, flat fee, hourly charge back
- Attach electronic documents such as routing sheet and full grant application.

Current Page: Faculty Comparative Budget

Project Search Report Central

Homepage
Personalize Account
Manage Account
Manage Projects
Library
Manage Patients
Budget
Milestones
Report Central
Dashboards
Ad-Hoc Quotes
Help
Logout

Details Budget Appendix Access Rights Milestones

Budget Name: AtkinsonBar_20090513_a Budget Status: Work in Progress Study Number: AtkinsonBar_20090513_a Organization: Department of Biostatisti...

No Calendar Selected

Select Study Cal Select Lib. Cal Delete Selected Add/ Edit Sections Repeating Lines Personnel Costs Delete Multiple Create Milestones Copy Budget Reports Overview Display

Event	Category	I/D	SOC	Unit Cost	# Units	Cost/ Patient	Total Cost	D/C	
Year 1									
John Doe	Personnel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	45000.00	0.05	0.00	2250.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Section Research Total (in US Dollars)							0.00	2902.50	
Section SOC Total (in US Dollars)							0.00	0.00	
License									
SAS License	Other Expense	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100.00	1.00	0.00	100.00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Section Research Total (in US Dollars)							0.00	100.00	
Section SOC Total (in US Dollars)							0.00	0.00	
Over-all Total									
Grand Research Total (in US Dollars)							0.00	3002.50	
Grand SOC Total (in US Dollars)							0.00	0.00	
Grand Total (in US Dollars)							0.00	3002.50	
Total Salary (in US Dollars)							0.00	2250.00	
Fringe Benefit	29.00 %	<input checked="" type="checkbox"/>	Apply to all Personnel Costs	Total Fringe	0.00	652.50			
Cost Discount	0.00 %	<input type="checkbox"/>	Apply to selected line items	Total Discount	0.00	0.00			
Indirects	0.00 %	<input type="checkbox"/>	Apply to selected line items	Total Indirects	0.00	0.00			
Exclude SOC line items from Totals			<input type="checkbox"/>	Refresh Calculations					

Current User: Megan Parks
System Timezone: (GMT-06:00) Central Time (US and Canada)
[Daily Reporting](#)
[Monthly Reporting](#)



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eProject-Project Team

- Faculty, Senior Research Analyst, CRIS: If you are not apart of the project team, you will not have access to see it in eProject.
- Administrators, Biostatistics Directors, Project Managers: Super Users within the database which means they have access to see all projects and grants.

Current Page: Project >> Team

Project Number: ConnorCar_20090326_a

Search by Organization: [View Super Users with access to this Project](#)

Organization	User Name	Role	Access Rights	Status
Department of Biostatistics	-	Local Sample Size: -	Track Project Status	
	@ Jonathan Mahnken	Faculty	Access Rights	Active C H Remove from Team
	@ Qingjiang Hou	Senior Research Analyst	Access Rights	Active C H Remove from Team
	@ Kahlia Ford	CRIS	Access Rights	Active C H Remove from Team
	@ Migration Project	Data Manager	Access Rights	Active C H Remove from Team
	@ Carol Connor	Principal Investigator	Access Rights	Active C H Remove from Team



eProject-Security and Access

- Each user receives a unique ID, Password and e-Signature to the system.
- Each Group, that an individual user belongs to, has specific access to eProject that controls viewing and modification of data.
- Group Examples are Administrator, Biostatistics Director, Project Manager, Faculty, Senior Research Analyst, CRIS



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