

IORG #: **IORG0000247**
Institution: **Northwestern University**
Expires: **07/03/2022**

OMB No. 0990-0279
Approved for use through February 28, 2022

**U.S. Department of Health and Human Services (HHS)
Registration of an Institutional Review Board (IRB)**

This form is used by institutions or organizations operating IRBs that review:

- a) Research involving human subjects conducted or supported by the Department of Health and Human Services, or other federal departments or agencies that apply the Federal Policy for the Protection of Human Subjects to such research; and/or**
- b) Clinical investigations regulated by the Food and Drug Administration (FDA) of the Department of Health and Human Services**

This form is to be used for the following purposes:

- a. To register an IRB if your institution or organization has not previously registered an IRB
- b. To update or renew the registration of an IRB previously registered by your institution or organization
- c. To add another IRB to those previously registered by your institution or organization

Fields with an * are required for OHRP IRBs and FDA IRBs

Fields with an are required for OHRP IRBs but are optional for FDA IRBs

Fields with an ‡ are required for FDA IRBs but are optional for OHRP IRBs

Fields with no symbol are optional for both OHRP IRBs and FDA IRBs

- 1. *Has your institution or organization previously registered an IRB with the Office for Human Research Protections (OHRP)?**

Yes, proceed to section 2 No, proceed to section 3

- 2. *What is your institution or organization (IORG) number? IORG0000247**

This number was provided by OHRP the first time your institution or organization registered an IRB. If you do not know your IORG number, search for your institution or organization on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777.

- 3. Name of Institution or Organization Operating the IRB(s)**

*Name of Institution or Organization: **Northwestern University**

*Mailing Address: **750 N Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address (if different from the Mailing Address above):

*City: **Chicago** *State/Province: **ILLINOIS** *Zip/Postal Code: **60611**

*Country (if outside the U.S.):

4. Senior Officer or Head Official of Institution or Organization Responsible for Overseeing the Activities Performed by the IRB(s)

*First Name: **Joseph** Middle Initial: **T** *Last Name: **Walsh, Jr.**

Earned Degree(s): **Ph.D.** Title or Position: **Vice President for Research**

*Mailing Address (if different from the Mailing Address in section 3):

**633 Clark Street
Rebecca Crown Center, 7th Floor**

*City: **Evanston** *State/Province: **ILLINOIS** *Zip/Postal Code: **60208-1108**

*Country (if outside the U.S.):

*Phone: **847 491-3485** *FAX: **847 467-4620** *E-Mail: **jwalsh@northwestern.
edu**

5. Contact Person Providing this Registration Information

*First Name: **Lisa** Middle Initial: *Last Name: **Linn**

Earned Degree(s): Title or Position: **IRB Manager - Biomedical**

Name of Institution or Organization (if different from the Name in section 3):

Northwestern University

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*City: **Chicago** *State/Province: **ILLINOIS** *Zip/Postal Code: **60611**

*Country (if outside the

*Phone: **312 503-5368** *FAX: **312 503-0555** *E-Mail: **l-
linn@northwestern.
edu**

6. IRB Registration Information (to be completed separately for each IRB being renewed/updated or newly registered)

A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00000418**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern U IRB #1- - Panel A

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Chicago** *State/Province: **ILLINOIS** *Zip/Postal Code: **60611**

*Country (if outside the U.S.):

*Phone: **312 503-9338** *FAX: **312 503-0555** *E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities: **21**

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months): **138**

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months): **12**

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

42

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

<input checked="" type="checkbox"/> human drugs	food additives
<input checked="" type="checkbox"/> medical devices	color additives
<input checked="" type="checkbox"/> biological	other
	Specify

H. IRB Chairperson

*First Name: **Christina** Middle Initial: *Last Name: **MARCINIAK**

Earned Degree(s): **MD** Title or Position: **Chair - Panel A**

Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

City: **Chicago** State/Province: **ILLINOIS** Zip/Postal Code: **60611**

Country (if outside the U.S.):

*Phone: **312 503-9338** FAX: **312 503-0555** *E-Mail: **cmarciniak@ric.org**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
MARCINIAK, Christina	F	MD	S	Physical Medicine and Rehabilitation	Y	
WEST, Dennis	M	PhD	S	Pharmacology, Dermatology, Pediatrics	Y	(IRB Office Admin Chair), Children Representative
GAGNON, Christine	F	PhD	S	Psychology/Pain Management	Y	Vice Chair
APPLEBAUM, Marc	M	MD	S	Physical Medicine and Rehabilitation	Y	Pregnant Women and Children Representative
LOGRASSO, Salvatore	M	BA	N	Research Billing Compliance	Y	
FOREMAN, Robert	M	PhD	S	Biosafety, Microbiology	Y	
ROBINSON, Connie	F	MSN, RN, MBA	S	Nursing, Clinical Research	N	Children and Neonates Representative
MCCLOSKEY, Leanne	F	MD, MPH	S	Obstetrics and Gynecology	Y	Pregnant Women Representative

Alternative Members

MORAN, Maureen	F	MPH	S	Preventive Medicine, Public Health	Y	82
SIKORSKI, Lucas	M	BA	N	Research Compliance	Y	(IRB Office) 65
LINN, Lisa	F	BA	N	Research Compliance	Y	(IRB Office) 65
VAN BUSKIRK, Braden	M	MSW	S	Research Compliance, Social Work	Y	(IRB Office), 30, 82
PAULUS, Cheryl	F	none	N	Research Compliance	Y	(IRB Office), 65
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	Prisoner, Children and Pregnant Women Representative, 65
D'COSTA, Anisha	F	PhD, MBA	S	Molecular Biology, Oncology	Y	30
MATTHIES, Alissa	F	MS	S	Research Compliance	Y	(IRB Office) 30, 74
MWANGI, Rahab	F	MPH	S	Research Compliance, Public	Y	(IRB Office)30, 74, 82

				Health		
PATANKAR, Pranjali	F	MBBS, MPH	S	General Medicine, Public Health	Y	(IRB Office) 30, 74, 82
MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Sciences, Social Work, Pediatrics	Y	(IRB Manager) Children Representative, 30, 36, 74
IRWIN, Beth	F	MA, LPC	S	Regulatory Compliance	Y	(IRB Office) 82
GRAHAM, Sheilah	F	MPH	S	Research Compliance	Y	(IRB Office) 30, 74, 82
HENDERSON, Alec	M	BBA	N	Research Compliance	Y	(IRB Office) 65
MAHALINGAM, Devalingam	M	MD, PhD	S	Internal Medicine, Oncology	Y	45, 87, 1
OLIVER, Marcella	F	BS	N	Research Compliance	Y	(IRB Office) 65
WILSTON, Dyna	F	MS	S	Research Compliance	Y	(IRB Office) 82
Puyleart, Kevin	M	B.S.	N	Research Compliance	Y	(IRB Office) 65
Martines, Carlos	M	B.A.	S	Public Health Medicine	Y	82, 30, 74
Finucane, Suzanne	F	A.S., B.S., M.S.	S	Bionic Medicine	Y	82, 30, 74, 36
Brautigam, Anielska	F	BS	S	Microbiology, Research Compliance	Y	(IRB Office), 82, 74, 36
DAUD, Amna	F	MD, MPH	S	Public Health, Organ Transplantation	Y	1, 30, 87, 45
GREEN, Beverly	F	BA, MEd	N	Education, School Counseling	N	65, Children Representative

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

Affiliation: Please indicate whether or not each individual (or a member of that person's immediate family) is affiliated (other than as an IRB member) with the institution or organization operating the IRB.

Yes = The IRB member is affiliated with the institution or organization operating the IRB.

No = The individual is not affiliated with the institution or organization operating the IRB.

Alternate Members: An alternate member(s) may be designated, as needed, for a regular voting member(s). An alternate member may vote only when the regular voting member is not voting.

When an institution or organization registers two or more IRBs, all alternate members for all IRBs may be listed on the roster of one IRB, or they may be listed separately with each IRB roster. A primary member of any IRB registered under the same IORG number may serve as an alternate for any comparably qualified member on any other IRB of that institution or organization. Primary members on registered IRBs serving as alternate members do not need to be listed as an alternate on any roster. Each alternate IRB member who replaces a primary member at any given meeting should have experience, expertise, background, professional competence, and knowledge comparable to that of the primary IRB member whom the alternate will replace. Whenever an alternate member substitutes for a primary member of the IRB, the combined requirements of § 46.107(a) and 46.108(b) shall remain satisfied. Whenever this occurs, the minutes of the IRB meeting should indicate clearly that the alternate IRB member has replaced the designated primary IRB member, and include the identity of the replaced primary and the alternate members. If multiple alternate members serve at an IRB meeting, the pairing of primary and alternate members should be indicated.

A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00000419**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern U IRB #2- - Panel B

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Chicago** *State/Province: **ILLINOIS** *Zip/Postal Code: **60611**

*Country (if outside the U.S.):

*Phone: **312 503-9338** *FAX: **312 503-0555** *E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities:

21

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

88

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

16

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

31

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

<input checked="" type="checkbox"/> human drugs	food additives
<input checked="" type="checkbox"/> medical devices	color additives
<input checked="" type="checkbox"/> biological	other
	Specify

H. IRB Chairperson

*First Name: **Thomas** Middle Initial: *Last Name: **HOLLY**

Earned Degree(s): **MD** Title or Position: **Chair - Panel B**

Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Dr.
Rubloff Building, 7th Floor**

City: **Chicago** State/Province: **ILLINOIS** Zip/Postal Code: **60611**

Country (if outside the U.S.):

*Phone: **312 503-9338** FAX: **312 503-0555** *E-Mail: **t-holly@northwestern.edu**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
HOLLY, Thomas	M	MD	S	Cardiology	Y	
CHERNEY, Leora	F	PhD	S	Physical Medicine/ Rehabilitation	Y	
KALHAN, Ravi	M	MD, MS	S	Pulmonary, Critical Care Medicine	Y	Vice Chair
HUBBARD, Richard	M	MD	S	Pulmonary Medicine, Clinical Research	N	
LIND, Carol	F	JD, BA	N	Patients Rights, Clinical Research	N	
ADEKOLA, Kehinde	F	MD, MS	S	Hem/Onc	Y	
GRISHCHENKO, Marina	F	PhD, RPh, BCPS	S	Pharmacology	Y	Pregnant Women and Children Representative
Alternative Members						
MORAN, Maureen	F	MPH	S	Preventive Medicine, Public Health	Y	5
WEST, Dennis	M	PhD	S	Pharmacology, Dermatology, Pediatrics	Y	(IRB Office Admin Chair) Children Representative, 5
SIKORSKI, Lucas	M	BA	N	Research Compliance	Y	(IRB Office) 70
FITZGERALD, Kathleen	F	PhD	S	Nursing- oncology, gastroenterology	N	5
LINN Lisa	F	BA	N	Research Compliance	Y	(IRB Office) 70
KHAN, Sadiya	F	MD	S	Cardiology	Y	1, 41, 53, 71
VAN BUSKIRK, Braden	M	MSW	S	Research Compliance, Social Work	Y	(IRB Office) 5
PAULUS, Cheryl	F	none	N	Research Compliance	Y	(IRB Office) 70
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	Prisoner, Pregnant Women, Children Representative, 70
CUTTICA, Michael	M	MD	S	Pulmonary, Critical Care Medicine	Y	1, 41, 53, 71
FOREMAN, Robert	M	PhD	S	Biosafety, Microbiology	Y	5

MATTHIES, Alissa	F	MS	S	Research Compliance	Y	(IRB Office), 5
MWANGI, Rahab	F	MPH	S	Research Compliance, Public Health	Y	(IRB Office), 5
PATANKAR, Pranjali	F	MBBS, MPH	S	Research Compliance	Y	(IRB Office), 5
MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Sciences, Social Work, Pediatrics	Y	(IRB Manager) Children Representative 5
IRWIN, Beth	F	MA, LPC	S	Research Compliance	Y	(IRB Office) 5
LEE, Eunice	F	PharmD, JD	S	Pharmacology	Y	5
GRAHAM, Sheilah	F	MPH	S	Research Compliance	Y	(IRB Office) 5
HENDERSON, Alec	M	BBA	N	Research Compliance	Y	(IRB Office) 70
OLIVER, Marcella	F	BS	N	Research Compliance	Y	(IRB Office) 70
VILLAFLOR, Victoria	F	MD	S	Internal Medicine, Hematology, Oncology	Y	1, 41, 53, 71
SOSMAN, Jeffrey	M	MD	S	Internal Medicine, Oncology, Pathology	Y	1, 41, 53, 71
WILSTON, Dyna	F	MS	S	Research Compliance	Y	(IRB Office) 5
AMIDEI, Christina	F	RN, PhD, CNRN	S	Neurosurgery, Nursing	Y	5
Puyleart, Kevin	M	B.S.	N	Research Compliance	Y	(IRB Office) 70
Brautigam, Anielska	F	BS	S	Microbiology, Research Compliance	Y	(IRB Office), 5, 74
PASQUESI, Joan	F	BSN, RN, CCRP	S	Research Nursing, Oncology	Y	71, 74, Children Representative, Pregnant Women Representative
LEAVER, Amber	F	BA, MA, PhD	S	Radiology, Psychology, Linguistics	Y	1, 5
LIN, Kai	M	MB, MS	S	Radiology	Y	1, 53, 41, 71
GREEN, Beverly	F	BA, MEd	N	Education, School Counseling	N	70, Children Representative

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

Affiliation: Please indicate whether or not each individual (or a member of that person's immediate family) is affiliated (other than as an IRB member) with the institution or organization operating the IRB.

Yes = The IRB member is affiliated with the institution or organization operating the IRB.

No = The individual is not affiliated with the institution or organization operating the IRB.

Alternate Members: An alternate member(s) may be designated, as needed, for a regular voting member(s). An alternate member may vote only when the regular voting member is not voting.

When an institution or organization registers two or more IRBs, all alternate members for all IRBs may be listed on the roster of one IRB, or they may be listed separately with each IRB roster. A primary member of any IRB registered under the same IORG number may serve as an alternate for any comparably qualified member on any other IRB of that institution or organization. Primary members on registered IRBs serving as alternate members do not need to be listed as an alternate on any roster. Each alternate IRB member who replaces a primary member at any given meeting should have experience, expertise, background, professional competence, and knowledge comparable to that of the primary IRB member whom the alternate will replace. Whenever an alternate member substitutes for a primary member of the IRB, the combined requirements of § 46.107(a) and 46.108(b) shall remain satisfied. Whenever this occurs, the minutes of the IRB meeting should indicate clearly that the alternate IRB member has replaced the designated primary IRB member, and include the identity of the replaced primary and the alternate members. If multiple alternate members serve at an IRB meeting, the pairing of primary and alternate members should be indicated.

A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00000420**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern U IRB #3- - Panel C

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Chicago** *State/Province: **ILLINOIS** *Zip/Postal Code: **60611**

*Country (if outside the U.S.):

*Phone: **312 503-9338** *FAX: **312 503-0555** *E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities:

21

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

125

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

16

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

31

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

<input checked="" type="checkbox"/> human drugs	<input type="checkbox"/> food additives
<input checked="" type="checkbox"/> medical devices	<input type="checkbox"/> color additives
<input checked="" type="checkbox"/> biological	<input type="checkbox"/> other
	Specify

H. IRB Chairperson

*First Name: **Jonathon** Middle Initial: *Last Name: **GOLDMAN**

Earned Degree(s): **MD, MS** Title or Position: **Chair - Panel C**

Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Dr.
Rubloff Building, 7th Floor**

City: **Chicago** State/Province: **ILLINOIS** Zip/Postal Code: **60611**

Country (if outside the U.S.):

*Phone: **312 503-9338** FAX: **312 503-0555** *E-Mail: **jgold23236@aol.com**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
GOLDMAN, Jonathon	M	MD, MS	S	Psychiatry, Behavioral Sciences	Y	VA Representative
MARTINOVICH, Zoran	M	PhD	S	Psychiatry, Behavioral Sciences	Y	
MILLER, Deborah	F	MPH, BSN, RN, CPHQ	S	Nursing, Quality Assurance	Y	Vice Chair
BANUVAR, Suzanne	F	MPA, HSA	S	Women's Health, Clinical Research	Y	Pregnant Women Representative
ROGERS, Lynn	F	PhD	S	Biomedical Engineering	Y	
HUBBARD, Richard	M	MD	S	Pulmonary Medicine, Clinical Research	N	
NICKISCH DUGGAN, Heidi	F	MS, MA	N	Library/Information Science	N	Children Representative
RAJAN, Priya	F	MD	S	Maternal Fetal Medicine	Y	Pregnant Women, Fetuses Representative

Alternative Members

WEST, Dennis	M	PhD	S	Pharmacology, Dermatology, Pediatrics	Y	(IRB Office Admin Chair), Children Representative 9, 11, 45, 52
SIKORSKI, Lucas	M	BA	N	Research Compliance	Y	(IRB Office) 59
LINN, Lisa	F	BA	N	Research Compliance	Y	(IRB Office) 59
VAN BUSKIRK, Braden	M	MSW	S	Research Compliance, Social Work	Y	(IRB Office) 11, 45
PAULUS, Cheryl	F	none	N	Research Compliance	Y	(IRB Office), 59
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	59, Prisoner, Pregnant Women and Children Representative
AUFOX, Sharon	F	MS	S	Genetics, Biobanking	Y	11, 45, Children and Pregnant Women Representative
DINNER, Shira	F	MD	S	Hem/Onc	Y	1, 53, 66
FOREMAN, Robert	M	PhD	S	Biosafety, Microbiology	Y	11, 52

O'BRIEN, Kathryn	F	PharmD	S	Pharmacy, Internal Medicine	Y	45
MATTHIES, Alissa	F	MS	S	Regulatory Compliance	Y	(IRB Office) 45
MWANGI, Rahab	F	MPH	S	Research Compliance, Public Health	Y	(IRB Office) 11, 45
PATANKAR, Pranjali	F	MBBS, MPH	S	Research Compliance	Y	(IRB Office) 11, 45
MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Sciences, Social Work, Pediatrics	Y	(IRB Manager) 9, 11, 52, Children Representative
HANLON, Maureen	F	JD, BS, RN	S	Nursing, Risk Management, Health Law	N	Children Representative, 11, 45
IRWIN, Beth	F	MA, LPC	S	Regulatory Compliance	Y	(IRB Office) 11, 45
GRAHAM, Sheilah	F	MPH	S	Research Compliance	Y	(IRB Office) 11, 15
HENDERSON, Alec	M	BBA	N	Research Compliance	Y	(IRB Office) 11, 15
OLIVER, Marcella	F	BS	N	Research Compliance	Y	(IRB Office) 11, 15
WILSTON, Dyna	F	MS	S	Research Compliance	Y	(IRB Office) 11, 45
Puyleart, Kevin	M	B.S.	N	Research Compliance	Y	(IRB Office) 59
Brautigam, Anielska	F	BS	S	Microbiology, Research Compliance	Y	(IRB Office) 45, 9, 11
SOLANKI, Sneha	F	BS, MS	S	Rehabilitation, Biochemistry	Y	52, 11, 45
GREEN, Beverly	F	BA, MEd	N	Education, School Counseling	N	59, Children Representative

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

Affiliation: Please indicate whether or not each individual (or a member of that person's immediate family) is affiliated (other than as an IRB member) with the institution or organization operating the IRB.

Yes = The IRB member is affiliated with the institution or organization operating the IRB.

No = The individual is not affiliated with the institution or organization operating the IRB.

Alternate Members: An alternate member(s) may be designated, as needed, for a regular voting member(s). An alternate member may vote only when the regular voting member is not voting.

When an institution or organization registers two or more IRBs, all alternate members for all IRBs may be listed on the roster of one IRB, or they may be listed separately with each IRB roster. A primary member of any IRB registered under the same IORG number may serve as an alternate for any comparably qualified member on any other IRB of that institution or organization. Primary members on registered IRBs serving as alternate members do not need to be listed as an alternate on any roster. Each alternate IRB member who replaces a primary member at any given meeting should have experience, expertise, background, professional competence, and knowledge comparable to that of the primary IRB member whom the alternate will replace. Whenever an alternate member substitutes for a primary member of the IRB, the combined requirements of § 46.107(a) and 46.108(b) shall remain satisfied. Whenever this occurs, the minutes of the IRB meeting should indicate clearly that the alternate IRB member has replaced the designated primary IRB member, and include the identity of the replaced primary and the alternate members. If multiple alternate members serve at an IRB meeting, the pairing of primary and alternate members should be indicated.

A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

[X] Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00000736**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

[] No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern IRB #4X - Panel E

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**600 Foster Street
Chambers Hall, 2nd Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Evanston**

*State/Province: **ILLINOIS**

*Zip/Postal Code: **60208**

*Country (if outside the U.S.):

*Phone: **847 467-1723**

*FAX: **312 503-0555**

*E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities:

21

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

30

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

7

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

human drugs	food additives
medical devices	color additives
biological	other
	Specify

H. IRB Chairperson

*First Name: **Michael** Middle Initial: *Last Name: **ROLOFF**

Earned Degree(s): **PhD** Title or Position: **Chair - Panel E**

Mailing Address (if different from the Mailing Address in section 3):

**600 Foster Street
Chambers Hall, 2nd Floor**

City: **Evanston** State/Province: **ILLINOIS** Zip/Postal Code: **60208**

Country (if outside the U.S.):

*Phone: **847 467-1723** FAX: **312 503-0555** *E-Mail: **m-roloff@northwestern.edu**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
ROLOFF, Michael	M	PhD	S	Communication	Y	
ASHLEY, Richard	M	DMusA	S	Music Cognition/Neuroscience Experience	Y	Vice Chair
SUZUKI, Satoru	M	PhD	S	Cognitive Neuroscience	Y	
NICKISCH DUGGAN, Heidi	F	MA, MS	N	Library/Information Science	N	Children Representative
EDDINGTON, Susan	F	MA	N	Library, Information Systems	N	Children Representative
YOUNT, Susan	F	PhD	S	Clinical Psychology	Y	
CLAUSER, Howard	M	BA, MA	N	Education	N	Children Representative
MICARI, Helen	F	MS	N	Management, Education	Y	Children Representative

Alternative Members

MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Science, Social Work	Y	(IRB Office Manager) 9,34, 38, 66, Children Representative
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	7, 46, 63, 70, Prisoner, Pregnant Women and Children Representative
LEGRAND, Marie	F	MPH	N	Public Health	N	7, 46, 70
ENOCH, Keara	F	BA	N	Clinical Counseling, Addiction	N	63, 7, 46, 70
IRWIN, Beth	F	MA, LPC	S	Regulatory Compliance	Y	(IRB Office) 63
MATTHIES, Alissa	F	MS	S	Research Compliance	Y	(IRB Office) 34, 9, 38, 66
Bergson, Ekaterina	F	JD, MPA	N	Research Compliance, Law	Y	Children & Prisoners representative, 7, 46, 63

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

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No = The individual is not affiliated with the institution or organization operating the IRB.

Alternate Members: An alternate member(s) may be designated, as needed, for a regular voting member(s). An alternate member may vote only when the regular voting member is not voting.

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A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00002600**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern U IRB #5- - Panel D

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Chicago**

*State/Province: **ILLINOIS**

*Zip/Postal Code: **60611**

*Country (if outside the U.S.):

*Phone: **312 503-9338**

*FAX: **312 503-0555**

*E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities:

21

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

98

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

14

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

21

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

<input checked="" type="checkbox"/> human drugs	<input type="checkbox"/> food additives
<input checked="" type="checkbox"/> medical devices	<input type="checkbox"/> color additives
<input checked="" type="checkbox"/> biological	<input type="checkbox"/> other
	Specify

H. IRB Chairperson

*First Name: **Frank** Middle Initial: *Last Name: **PALELLA**

Earned Degree(s): **MD** Title or Position: **Chair - Panel D**

Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Dr.
Rubloff Building, 7th Floor**

City: **Chicago** State/Province: **ILLINOIS** Zip/Postal Code: **60611**

Country (if outside the U.S.):

*Phone: **312 503-9338** FAX: **312 503-0555** *E-Mail: **f-palella@northwestern.edu**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
PALELLA, Frank	M	MD	S	Infectious Disease, Internal Medicine	Y	
REGALADO, Jane	F	PharmD	S	Pharmacy	Y	
RENELLA, Camille	F	BSN, RN	S	Medical Ethics, Nursing, Law	N	Children, Neonates Representative
RUDERMAN, Eric	M	MD	S	Rheumatology, Internal Medicine	Y	Vice Chair
FERREIRA, M. Rosario	F	MD, MAPP	S	Gastroenterology, Internal Medicine	Y	VA Representative
HARVEY, Richard	M	MD	S	Physical Medicine and Rehabilitation	Y	
HO, Bing	M	MD, MPH	S	Transplant, Nephrology, Epidemiology	Y	
ERKAN, Leyla	F	B.S., J.D.	N	Research Compliance and Health Law	Y	

Alternative Members

MORAN, Maureen	F	MPH	S	Preventive Medicine, Public Health	Y	14, 15
WEST, Dennis	M	PhD	S	Pharmacology, Dermatology, Pediatrics	Y	(IRB Office Admin Chair), Children Representative 14, 15
SIKORSKI, Lucas	M	BA	N	Research Compliance	Y	(IRB Office) 98
VAN BUSKIRK, Braden	M	MSW	S	Research Compliance, Social Work	Y	(IRB Office) 15
PAULUS, Cheryl	F	none	N	Research Compliance	Y	(IRB Office) 98
LINN, Lisa	F	BA	N	Research Compliance	Y	(IRB Office) 98
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	98, Prisoner, Pregnant Women and Children Representative
FOREMAN, Robert	M	PhD	S	Biosafety, Microbiology	Y	15
MATTHIES, Alissa	F	MS	S	Regulatory	Y	(IRB Office) 15

				Compliance		
MWANGI, Rahab	F	MPH	S	Research Compliance, Public Health	Y	(IRB Office) 14
PATANKAR, Pranjali	F	MBBS, MPH	S	Research Compliance	Y	(IRB Office) 14, 15
MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Sciences, Social Work, Pediatrics	Y	(IRB Manager) 14, Children Representative
IRWIN, Beth	F	MA, LPC	S	Regulatory Compliance	Y	(IRB Office) 15
GRAHAM, Sheilah	F	MPH	S	Research Compliance	Y	(IRB Office) 14
HENDERSON, Alec	M	BBA	N	Research Compliance	Y	(IRB Office) 98
OLIVER, Marcella	F	BS	N	Research Compliance	Y	(IRB Office) 98
MCNATT, Gwen	F	RN, PhD, CNN, FNP-BC	S	Nursing, Transplant, Nephrology	Y	(NNH Staff) 53, 14, 15 Cognitively Impaired Representative
WILSTON, Dyna	F	MS	S	Research Compliance	Y	(IRB Office) 15
QUIGLEY, Kathleen	F	RN, BSN, MBA	S	Nursing, Internal Medicine	Y	15
SRIKUMAR, Raja	M	B.Sc, M.SC, PhD	S	Research Compliance, Oncology	Y	14, 15
RODGERS, Chiara	F	B.S., MPH	S	Research Administration	N	14, 15
PUYLEART, Kevin	M	B.S.,	N	Research Compliance	Y	(IRB Office) 98
RIVKIN, Elianna	F	BA, MS	S	Nursing, Rehabilitation	Y	45, 15
BRAUTIGAM, Anielska	F	BS	S	Microbiology, Research Compliance	Y	(IRB Office), 14, 15
ZWEIG, Sara	F	BA, JD	N	Healthcare Law & Healthcare Compliance	N	98
HILL, Virginia	F	MD	S	Radiology, Neurology	Y	1, 16, 38, 45, 53
GREEN, Beverly	F	BA, MEd	N	Education, School Counseling	N	98, Children Representative

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

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A. *Is this a renewal or update of a registration for an IRB already registered with HHS?

Yes. Provide the IRB registration number previously assigned to this IRB by OHRP: **IRB00005003**

(This number was provided by OHRP the first time the IRB was registered with OHRP. If you do not know the IRB registration number, search for the IRB on the OHRP website at <http://ohrp.cit.nih.gov/search/search.aspx> or contact OHRP using the contact information at <http://www.hhs.gov/ohrp/daqi-staff.html> or by telephone at 1-866-447-4777)

No, this is a new IRB registration.

B. Provide the IRB name, if any, used by the institution or organization (e.g., State University Behavioral IRB, University Healthcare Biomedical IRB, or XYZ Hospital IRB #1):

Northwestern U IRB #6 - Panel Q

C. Location of the IRB

*Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Drive
Rubloff Building, 7th Floor**

*Street Address of the IRB (if different from the Mailing Address of the IRB):

*City: **Chicago**

*State/Province: **ILLINOIS**

*Zip/Postal Code: **60611**

*Country (if outside the U.S.):

*Phone: **312 503-9338**

*FAX: **312 503-0555**

*E-Mail: **irb@northwestern.edu**

D. Approximate number of full time equivalent positions devoted to the IRB's administrative activities:

21

E. Approximate number of all active protocols (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

2193

F. Approximate number of active protocols conducted or supported by HHS (e.g., the National Institutes of Health, Centers for Disease Control and Prevention, etc.) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

523

G. ‡For IRBs that review, or intend to review, protocols involving products regulated by the Food and Drug Administration (FDA) (for purposes of completing this registration, an active protocol is any protocol for which the IRB conducted an initial review or continuing review at a convened meeting or under an expedited review procedure during the preceding 12 months):

‡i) Approximate number of active protocols involving FDA-regulated products:

199

‡ii) Types of FDA-regulated products involved in FDA protocols include (check all that apply):

<input checked="" type="checkbox"/> human drugs	<input type="checkbox"/> food additives
<input checked="" type="checkbox"/> medical devices	<input type="checkbox"/> color additives
<input checked="" type="checkbox"/> biological	<input type="checkbox"/> other
	Specify

H. IRB Chairperson

*First Name: **Maureen** Middle Initial: *Last Name: **MORAN**

Earned Degree(s): **MPH** Title or Position: **Chair - Panel Q**

Mailing Address (if different from the Mailing Address in section 3):

**750 N. Lake Shore Dr.
Rubloff Building, 7th Floor**

City: **Chicago** State/Province: **ILLINOIS** Zip/Postal Code: **60611**

Country (if outside the U.S.):

*Phone: **312 503-9338** FAX: **312 503-0555** *E-Mail: **m-moran@northwestern.edu**

I. IRB Roster Form: Completion of the IRB Roster Form is required if your IRB is designated on a Federalwide assurance submitted to OHRP. Otherwise, it is optional.

Member Name (Last, First)	Sex M/F	Earned Degree(s)	Scientist (S) Non-scientist (N)	Primary Scientific or Non-Scientific Specialty	Affiliation with Institution(s) Y/N	Comments
MORAN, Maureen	F	MPH	S	Preventive Medicine, Public Health	Y	
WEITZMAN, Sigmund	M	MD	S	Hem/Onc, Internal Medicine	Y	
ISON, Michael	M	MD, MS	S	Infectious Diseases, Organ Transplant	Y	Vice Chair
BELKNAP, Steven	M	MD	S	Internal Medicine, Clinical Pharmacology	Y	
HUBBARD, Richard	M	MD	S	Pulmonary Medicine, Clinical Research	N	
WELCH, Deborah	F	BSN, RN	S	Nursing, Healthcare Quality Assurance	Y	NMH Representative
RENELLA, Camille	F	BSN, RN	S	Medical Ethics, Nursing, Law	N	Children, Neonates Representative
CHAMBERS, Tod	M	PhD	N	Bioethics	Y	

Alternative Members

GOLDMAN, Jonathon	M	MD, MS	S	Psychiatry, Behavioral Sciences	Y	1, 8, 47, 48, 58, VA Representative
MILLER, Deborah	F	MPH, BSN, RN, CPHQ	S	Nursing, Quality Assurance	Y	1, 61, 67
PALELLA, Frank	M	MD	S	Infectious Disease	Y	1, 8, 47, 48, 58
REGALADO, Jane	F	PharmD	S	Pharmacy	Y	1, 61, 67
SIKORSKI, Lucas	M	BA	N	Research Compliance	Y	(IRB Office) 83
FRANKFURT, Olga	F	MD	S	Hem/Onc, Internal Medicine	Y	8, 47, 48, 58
VAN BUSKIRK, Braden	M	MSW	S	Research Compliance, Social Work	Y	(IRB Office) 1, 61, 67
PAULUS, Cheryl	F	none	N	Research Compliance	Y	(IRB Office) 83
LINN, Lisa	F	BA	N	Research Compliance	Y	(IRB Office) 83
TROYER, Gwyneth	F	JD, MA	N	Prison Populations	N	83, Prisoner, Pregnant Women and Children Representative

MATTHIES, Alissa	F	MS	S	Research Compliance	Y	(IRB Office) 1, 61, 67
MWANGI, Rahab	F	MPH	S	Research Compliance, Public Health	Y	(IRB Office) 1, 61, 67
PATANKAR, Pranjali	F	MBBS, MPH	S	Research Compliance, Public Health	Y	(IRB Office) 1, 61, 67
MURPHY, Kathleen	F	PhD, MSW, MLIS	S	Social Sciences, Social Work, Pediatrics	Y	(IRB Manager) 1, 61, Children Representative
IRWIN, Beth	F	MA, LPC	S	Research Compliance	Y	(IRB Office) 1, 61, 67
GRAHAM, Sheilah	F	MPH	S	Research Compliance	Y	(IRB Office) 1, 61, 67
HENDERSON, Alec	M	BBA	N	Research Compliance	Y	(IRB Office) 80
OLIVER, Marcella	F	BS	N	Research Compliance	Y	(IRB Office) 65
WILSTON, Dyna	F	MS	S	Research Compliance	Y	(IRB Office) 61, 67
PUYLEART, Kevin	M	B.S.	N	Research Compliance	Y	(IRB Office) 83
WISNER, Katherine	F	M.D.	S	Obstetrics & Gynecology, Psychiatry	Y	48, 58, 47, 8
BRAUTIGAM, Anielska	F	B.S.	S	Microbiology, Research Compliance	Y	(IRB Office) 1, 67, 61
ZWEIG, Sara	F	BA, JD	N	Healthcare Law & Healthcare Compliance	N	83
GREEN, Beverly	F	BA, MEd	N	Education, School Counseling	N	83, Children Representative

NOTES:

Members whose training, background, and occupation would incline them to view scientific activities from the standpoint of someone within a behavioral or biomedical research discipline should be considered a scientist, while members whose training, background, and occupation would incline them to view research activities from a standpoint outside of any biomedical or behavioral scientific discipline should be considered a nonscientist. In addition, the IRB must have members with sufficient knowledge of the specific scientific discipline(s) relevant to the research that it reviews.

Affiliation: Please indicate whether or not each individual (or a member of that person's immediate family) is affiliated (other than as an IRB member) with the institution or organization operating the IRB.

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No = The individual is not affiliated with the institution or organization operating the IRB.

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Public burden for this collection of information is estimated to average one hour for an initial IRB registration, and thirty minutes for updating or renewing the registration of a previously registered IRB. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: OS Reports Clearance Officer, Room 503, 200 Independence Avenue, SW., Washington, DC 20201. *Do not return the completed form to this address.*