

Anatomy and Ethical Transgressions in National Socialist (Nazi) Germany 11/6/2019

Syllabus Harvard Freshman Seminar: FRSEMR 23H
Tuesday 3-5:45pm, Room Sever 204
4 credits (fall term)

Course ID# 160215

Enrollment: Limited to 12

Sabine Hildebrandt, MD

Associate Professor of Pediatrics; Lecturer on Global Health and Social Medicine
Boston Children's Hospital, Harvard Medical School
Div. General Pediatrics, Dep. Pediatrics
333 Longwood Avenue- LO 234
Boston, Massachusetts 02115
Phone: 734-355-7591
sabine.hildebrandt@childrens.harvard.edu

Description:

This course introduces students to the history and ethics of anatomy, and their relevance for current questions in medicine concerning the human body in life and death. The story of anatomy in National Socialist (NS or Nazi) Germany is an example of ethical transgressions in the anatomical sciences and reveals the complex relationship between anatomists and the Nazi regime. The historic causes of this development will be explored by examining the roots of the biologicistic NS ideology in the connections between anatomy, physical anthropology, the global eugenics movement and German racial hygiene. Many anatomists became members of the NS party, while others were persecuted for so-called "racial" and political reasons. An examination of the history of anatomical body procurement from ancient Greece to the 20th century demonstrates the changes of the traditional sources of bodies for anatomical dissection under NS rule, resulting in the use of many bodies of NS victims for anatomical purposes. Anatomical research changed with the exploitation of the rising number of bodies of executed men and women.

Case studies of the work of individual anatomists reveal a gradual shift in the paradigm of anatomy. A few anatomists left the traditional paradigm- i.e. the gain of anatomical knowledge through work with the dead- in favor of a new paradigm- i.e. work with the "future dead"- in human experiments on prisoners who were subsequently murdered. Ultimately, anatomists became complicit with the government through their role in the complete destruction of the perceived "enemies" of the NS regime.

Overview FRSEMR 23H Fall 2019:

Weeks 1 and 2, September 3 and September 10:

Course structure and content;

Background on history of Germany and eugenics early 20th century

Weeks 3 and 4, September 17 and 24:

History of anatomy from ancient Greece to the 21st century:

Week 5, October 1:

Interaction between anatomists and NS politics

Week 6, October 8:

The dismissal of anatomists

Week 7 and 8, October 15 and 22:

Changes in the traditional body procurement and victims of the National Socialist regime

Week 9, October 29:

Anatomy in medical education during NS

Week 10-11, November 5 and 12:

Anatomical science and its changes after 1933

Week 12, November 19:

The relevance of the past for the present

Week 13, November 26:

Conclusion: Class presentations

Week 14, December 3:

Conclusion: Class presentations

Unit 1, 3 September 2019: Introduction to course format and content

Part 1: Introduction to course format

- Introduction of participants
- Explanation of course requirements and expectations:
 - o Preparation for each unit: reading etc.
 - o Regular attendance (inform instructor about absences)
 - o Participation in discussions
 - o Writing assignment: essay on question concerning history and ethics of anatomy arising from the course content and current news (e.g. case study of anatomists: question of agency for perpetrators and persecuted; question of use of “material” from the living and the dead; question of continued use of results from NS research)
 - content:
 - formulate question/hypothesis
 - use course material (and potentially additional material) to support argument
 - conclusion for current medical ethics
 - format:
 - essay of no less than 2000 words
 - correct use of bibliography (either author/date or endnote)
 - o Assessment based on discussion participation and essay

Part 2: Introduction to course content

- General introduction, PPT presentation and discussion of the topic: What is anatomy? What is ethics? What are ethical questions in anatomy?
- Specific introduction: The Pernkopf story, or the long reach of historical actions (bring Pernkopf atlas)
 - o CNN video on Pernkopf story, 1998, 16 min.
 - o Discussion

Preparation for Unit 2, 10 September 2019:

Background on history of Germany and eugenics early 20th century

- o Browse the archive of the American Eugenics Movement, it is a great introduction to the history of eugenics:
<http://www.eugenicsarchive.org/eugenics/list3.pl>
- o Watch: “Science and the Swastika: Hitler’s biological soldiers” [documentary 2001] and make notes for questions in discussion
https://www.youtube.com/watch?v=pQAdwjYc_VE
- o Assigned reading:
 - Background on anatomy and physical anthropology, eugenics and racial hygiene:
 - Excerpts from: Binding, Karl and Alfred Hoche. 1920. “Permitting the destruction of life unworthy of living”, URL:
http://germanhistorydocs.ghi-dc.org/sub_document.cfm?document_id=4496 [also as pdf-file “Binding and Hoche 1920” under “Files” on the course webpage]
 - Review of Eugen Fischer’s “Rehoboth Bastards” from *Journal of Race Development* 1915 [find the file “Review Fischer 1915” under “Files” on the course webpage]
- o Optional reading [all under “Files” on webpage]:
 - The path to Nazi Genocide, US Holocaust Memorial Museum:
<https://www.youtube.com/watch?v=sRcNq4OYTyE>
 - Timeline to the Holocaust
 - Background on anatomy and physical anthropology, eugenics and racial hygiene:
 - Excerpts from: Weiss, Sheila. 2010. *The Nazi symbiosis: Human genetics and politics in the Third Reich*. Chapter 1: “Human heredity and genetics make their international debut.” University of Chicago Press; p38- 53; 59-66; 66-68.
 - Pernkopf:
 - Weissmann, Gerald. 1985. “Springtime for Pernkopf.” Reprinted 1987 in: *They All Laughed at Christopher Columbus*, edited by Gerald Weissmann, 48-69. New York: Times Books.
 - Williams, David J. 1988. “The History of Eduard Pernkopf’s Topographische Anatomie des Menschen,” *Journal of Biocommunication* 15(2):2-12.
 - Background Racial hygiene: Excerpts from Baur-Fischer-Lenz. 1931. Textbook on human heredity. London: MacMillan: p666ff: on “Jews”.

Unit 2, 10 September 2019: History of Germany and eugenics early 20th century

- PPT presentation: Short outline of historical framework: Germany in the first half of the 20th century; video book burning ?
https://www.ushmm.org/wlc/en/media_fi.php?ModuleId=10005852&MediaId=158
history of eugenics and racial hygiene

- Discussion of assigned reading on historical roots of NS biologicistic ideology (anatomy and physical anthropology, eugenics and racial hygiene)
- [potentially: Chapter 2 and 3 film Michalczyk, John J.: In the Shadow of the Reich: Nazi Medicine (10 minutes)]

Preparation for Unit 3, 17 September 2019:

History of anatomy from ancient Greece to the 21th century (1)

- o Explore the website “Dream Anatomy” by Michael Sappol, Director History of Medicine Division, National Library of Medicine, National Institutes of Health
URL: http://www.nlm.nih.gov/dreamanatomy/da_intro.html
- o Assigned reading:
 - Bailey, James B. 1896. *The diary of a resurrectionist*. London.
 - Optional: Chapter 1 and 2: history of anatomy and body snatching in Britain.
 - Assigned reading: Chapter 3: history of the Anatomy Act (Warburton) Britain 1932, focus on pages 119 ff: body procurement in Europe, US.
 - Optional Chapter 4: background on the diary.
 - Assigned reading: Diary (November 1811-December 1812), p 139-176.
 - Ball, James Moore. 1989 (original 1928). *The body snatchers: doctors, grave robbers and the law*, p188-195: Text of Warburton Anatomy Act 1832.
 - 1831 Massachusetts Anatomy Act: file MA anatomy law 1931.pdf
- o Optional Reading:
 - Buklijas, Tatjana. 2008. “Cultures of death and politics. Anatomy in Vienna 1848-1914,” *Bulletin of the History of Medicine* 82(3):570-607

Unit 3, 17 September 2019: General history of anatomy from ancient Greece to the 21th century

- PPT presentation: sources of body procurement for anatomical dissection
- discussion

Preparation for Unit 4, 24 September 2019: History of anatomy in the US

- o Assigned reading:
 - Halperin, Edward C. 2007. “The poor, the Black, and the marginalized as the source of cadavers in the United States anatomical education,” *Clinical Anatomy* 20, 489–495.
 - Reuters series of investigative reporting: The Body Trade, Part 1: Body Brokers : <https://www.reuters.com/investigates/section/usa-bodies/> [rest of the series optional]
 - Bernstein, Nina. 2016a. “Unearthing the secrets of New York’s mass graves,” 5/15/2016. (you may have to copy and paste the link in your browser; a word document version is also in your “Files” folder, but the online version is more interesting)
http://www.nytimes.com/interactive/2016/05/15/nyregion/new-york-mass-graves-hart-island.html?_r=0
- o Optional reading:
 - Kaufman, Martin and Leslie L. Hanawalt. 1971. “Body snatching in the Midwest,” *Michigan History* 55(1):23-40
 - Browse historical anatomical atlases:
<https://www.nlm.nih.gov/exhibition/historicalanatomies/browse.html>
 - Browse Harvard anatomical history:
<http://collections.countway.harvard.edu/onview/exhibits/show/family-practice>
 - Hodge, Christina J. 2013. Non-bodies of knowledge: Anatomized remains from the Holden Chapel collection, Harvard University. *Journal of Social Archeology* 13(1):122-149.
 - Kenny, Stephen C. 2013. “The development of medical museums in the antebellum American South: slave bodies in networks of anatomical exchange.” *Bulletin of the History of Medicine* 87(1):32-62.
 - Dittmar, Jenna M.; Mitchell, Piers D. 2016. From cradle to grave via the dissection room: the role of foetal and infant bodies in anatomical education from the late 1700s to early 1900s. *Journal of Anatomy*, published online 30 June 2016, DOI: 10.1111/joa.12515.
 - Bernstein, Nina 2016 b: “Bodies Given to N.Y.U. ended up in mass graves, despite donors’ wishes,” NYT 5/27/16
 - Bernstein, Nina, 2016c: “Bill would require relatives consent for schools to use cadavers,” NYT 6/26/16
 - Bernstein, Nina, 2016d: “New York Medical Schools will stop using unclaimed bodies,” NYT 8/10/16

Unit 4, 24 September 2019: History of anatomy in the US

- PPT presentation, focus on abuses and discrimination in anatomical body procurement in the US and other places
- Discussion; question and answer body donation
- Ross, Brian; Rhonda Schwarts; Anna Schechter (2008-02-14). "[Exclusive: Secret Trade in Chinese Bodies](#)". *20/20. ABC News*. Retrieved 2008-09-17.
Video plastination: <https://www.youtube.com/watch?v=4pHgNs6Bb3w>

Preparation for Unit 5, 1 October 2019: Interaction between anatomists and NS politics

- o Assigned reading/ viewing:
 - Victor Klemperer's *Diary* Entry on the Impending Boycott of Jewish Businesses (March 31, 1933):
http://ghdi.ghi-dc.org/sub_document.cfm?document_id=1519 .
 - *Law for the Restoration of the German Civil Service*, April 7 1933, please read first page, text of law and second page, amendment to paragraph 3:
http://ghdi.ghi-dc.org/sub_document.cfm?document_id=1520
 - Text of 1935 *Law for the Protection of German Blood and German Honor*:
<http://www.jewishvirtuallibrary.org/law-for-the-protection-of-german-blood-and-german-honor>
 - *Law for the Prevention of Hereditary Diseased Offspring*, July 14, 1933:
<http://ghdi.ghi-dc.org/pdf/eng/English30.pdf>
 - Winkelmann, Andreas and Thorsten Noack. 2010. "The Clara cell: a "Third Reich eponym"?" *European Respiratory Journal* 36:722-727.
 - Watch: Film documentary: Nazi Medical Crimes, by Kristen Esch 2018
<https://www.youtube.com/watch?v=rcpUi7KBxz0>

- o Optional reading:
 - Kasten, Frederick H. 1991. "Unethical Nazi Medicine in Annexed Alsace-Lorraine: The Strange Case of Nazi Anatomist Professor Dr. August Hirt." In: *Essays in Modern German History and Archival Policy*, edited by George O. Kent, 173-208. Fairfax Virginia: George Mason University Press.
 - Uhlmann, Angelika; Winkelmann, Andreas. 2016. "The science prior to the crime – August Hirt's career before 1941." *Annals of Anatomy*, 204:118-126 (pdf in "Files")
 - Winkelmann, Andreas. 2015. "The Anatomische Gesellschaft and National Socialism: an analysis based on newly available archival material." *Annals of Anatomy*
 - More on "racial" policies in National Socialism:
http://ghdi.ghi-dc.org/sub_doclist.cfm?sub_id=173§ion_id=13

Unit 5, 1 October 2019: Interaction between anatomists and NS politics

- PPT presentation: government agencies and their responsibility, anatomical professional organization, political spectrum of anatomists
- discussion

Preparation for Unit 6, 8 October 2019: The dismissal of anatomists

- o Assigned reading:
 - Excerpts from: Novak, Emil. 1949. *The Autobiography of Dr. Robert Meyer*. New York: Henry Schuman, p91-97.
 - Hildebrandt, Sabine. 2012. "The anatomist Hans Elias: a Jewish German in exile." *Clinical Anatomy* 25:284-294.
- o Optional:
 - Projections of Life: Jewish Life before World War II, United States Holocaust Museum Collections:
<https://www.youtube.com/watch?v=kNobaSEckHQ>
 - Zeidman, Lawrence A. and Lauren Mohan. 2014. "Adolf Wallenberg: giant in neurology and refugee from Nazi Europe," *Journal of the History of the Neurosciences: Basic and Clinical Perspectives* 23(1):31-44.
 - Braund, James, and Douglas G Sutton. 2007. "The case of Heinrich Wilhelm Poll (1877-1939): a German-Jewish geneticist, eugenicist, twin researcher and victim of the Nazis." *Journal of the History of Biology* 41(1):1-35

Unit 6, 8 October 2019: The dismissal of anatomists

- PPT presentation: historical framework of "racial" and political persecution; groups of victims, case studies: Dr. Leo Gross (not an anatomist, but case study of the 21st century "posthumous" restoration of the biography of a physician-victim of Nazi-persecution); the anatomists Dr. Hans Elias, Dr. Robert Meyer
- discussion

Preparation for Unit 7, 15 October 2019: Changes in the traditional body procurement and victims of the National Socialist regime (1)

- o Assigned reading:
 - Angetter, Daniela C. 2000. “Anatomical science at University of Vienna 1938-45,” *Lancet* 355: 1454-57
And compare with criticism by
 - Hubenstorf, Michael. 2000. “Anatomical science in Vienna 1938-45,” *Lancet* 355:1385-1386
 - Watch 2009 Lecture by Eric Kandel (Nobel prize laureate 2000): “In search of memory”: <http://www.medicinaftertheholocaust.org/in-search-of-memory/>
- o Optional reading:
 - Seidelman, William E. 2012. “Dissecting the history of anatomy in the Third Reich – 1989-2010: a personal account,” *Annals of Anatomy* 194:228-236.
 - Redies, Christoph; Rosemarie Fröber; Michael Viebig and Susanne Zimmermann. 2012. “Dead bodies for the anatomical institute in the Third Reich: an investigation at the University of Jena,” *Annals of Anatomy* 194:298-303.
 - Kaiser, Stephanie. 2013. “Tradition or change? Sources of body procurement for the anatomical institute of Cologne in the Third Reich. *Journal of Anatomy* 223:410-418.

Unit 7, 15 October 2019: Changes in the traditional body procurement and victims of the National Socialist regime (1)

- PTT presentation: groups of victims; investigations of individual anatomical institutes; identification of victims; the Dresden victims
- Discussion
- ? Watch: Joe Berlinger’s 2004 documentary on the postwar history of “material” from “euthanasia” victims in Vienna, Austria

Preparation for Unit 8, 22 October 2019: Changes in the traditional body procurement and victims of the National Socialist regime (2)

- o Assigned reading:
 - Winkelmann, Andreas and Udo Schagen. 2009. “Hermann Stieve’s clinical-anatomical research on executed women during the “Third Reich”,” *Clinical Anatomy* 22(2):163-171.
 - Czech, Herwig; Brenner, Erich. 2019. “Nazi victims on the dissection table – The anatomical institute in Innsbruck.” *Annals of Anatomy*, <https://doi.org/10.1016/j.aanat.2019.03.007>.
 - Watch 2017 video on “material” from “euthanasia” victims: <https://www.youtube.com/watch?v=f92PrgnG6p0&t=45s>
- o Optional reading:
 - Noack, Thorsten. 2012. “Anatomical departments in Bavaria and the corpses of executed victims of National Socialism,” *Annals of Anatomy* 194:286-292.
 - Blessing, Tim; Wegener, Anna; Koepsell, Hermann; Stolberg, Michael: 2012. “The Würzburg anatomical institute and its supply of corpses (1933–1945),” *Annals of Anatomy* 194 (2012):281–285.
 - Ude-Koeller, Susanne; Knauer, Wilfried; Viebahn, Christoph. 2012. “Anatomical practice at Göttingen university since the age of enlightenment and the fate of victims from Wolfenbüttel prison under Nazi rule,” *Annals of Anatomy* 194:304-313.

Unit 8, 22 October 2019: Changes in the traditional body procurement and victims of the National Socialist regime (2)

- PPT case study: the women on Stieve’s list;
- case study: Mildred Harnack (Video: “Wisconsin's Nazi Resistance: The Mildred Fish-Harnack Story”)
- discussion

**Preparation for Unit 9, 29 October 2019: Anatomical science and its changes after 1933 (1)
Medical education**

- Assigned reading/ viewing:
 - Excerpt from: Zassenhaus, Hiltgunt. 1974. *Walls: Resisting the Third Reich- one woman's story*. Boston: Beacon Press.
 - Excerpts from Voss diary: Aly, Götz. 1994. "The Posen diaries of the anatomist Hermann Voss." In: *Cleansing the fatherland: Nazi medicine and racial hygiene*, edited by Götz Aly, Peter Chroust, and Christian Pross, 99-155. Baltimore: The Johns Hopkins University Press.
 - Definitely assigned: pp99-107 and 121-144, rest optional

- Optional reading:
 - Excerpt from: Weiser-Varon B. 1992. *Professions of a lucky Jew*. Cornwall Books, New York.
 - Blaha F. 1946. Medical science run amok. In: Charvát J (ed.). *Medical science abused. German medical science as practised in concentration camps and in the so-called protectorate*. Prague: Orbis. 14-41
 - Second part of interview with Traute Lafrenz: Interview 2:
<https://www.youtube.com/watch?v=MNUhH8fYaPA&feature=youtu.be>

Unit 9, 29 October 2019: Anatomical science and its changes after 1933 (1)

- medical education in NS
- case studies
- discussion about possible effects

- o Watch Traute Lafrenz interview 1: first 25 minutes:
<https://www.youtube.com/watch?v=DYRdI0eAqM4&feature=youtu.be>

**Preparation for Unit 10, 5 November 2019: Anatomical science and its changes after 1933
(2)**

- o Assigned reading:
 - Excerpts from diary of Professor of Anatomy Johann Paul **Kremer**: *SS doctor at Auschwitz*, find online:
<http://www.holocaustresearchproject.org/othercamps/auschkremerdiary.html>.
 - **Lang**, Hans-Joachim. 2013. "August Hirt and "Extraordinary Opportunities for Cadaver Delivery" to Anatomical Institutes in National Socialism: A Murderous Change in Paradigm," *Annals of Anatomy* 195:373-380
 - Browse: English version of website by Hans Joachim Lang: Die Namen der Nummern. [you may have to cut and paste the following link in your browser]
<https://www.die-namen-der-nummern.de/index.php/en/>
- o Optional:
 - Eva Kor (survivor of Mengele's twin experiments in Auschwitz), interview I,
<https://www.youtube.com/watch?v=PZKanUiunEA&feature=youtu.be>

Unit 10, 5 November 2019: Anatomical science and its changes after 1933

- PPT presentation: bodies of executed persons as "material"; gradual changes and a change in paradigm: case studies: Stieve, Clara, Kremer, Hirt
- First half of documentary "Le nom des 86" by Raphael Toledano et al., Dora-Film 2014, discussion
- [not used 2019: Kremer: <https://www.youtube.com/watch?v=gbjZBMga-9s> Polish trial
<https://www.youtube.com/watch?v=efRolMj4coc>

**Preparation for Unit 11, 12 November 2019:
Ethical Transgressions in NS anatomy: Why did the anatomist-physicians act in this manner?**

- o Assigned reading and study:
 - Grodin, Michael A. 2010. “Mad, Bad, or Evil: How Physician Healers Turn to Torture and Murder. In: *Medicine After the Holocaust. From the Master Race to the Human Genome and Beyond*, edited by Sheldon Rubenfeld, 49-65. New York: Palgrave MacMillan.
 - Chose and study one of the reconstructed biographies of August Hirt’s victims and be prepared to talk about it in class, see English version of website by Hans Joachim Lang: Die Namen der Nummern. [you may have to cut and paste the following link in your browser]
<https://www.die-namen-der-nummern.de/index.php/en/>

- o Optional reading:
 - Weindling, Paul; Villiez, Anna von; Loewenau, Aleksandra; Farron, Nichola. 2016. The victims of unethical human experiments and coerced research under National Socialism. *Endeavour* 40(1): 1-6.
 - Bruns, Florian; Chelouche, Tessa. 2017. Lectures on Inhumanity: Teaching medical ethics in German medical schools under Nazism. *Annals of Internal Medicine*, 2017 (166):591-595.
 - Czarnowski, Gabriele. 2014. Involuntary abortion and coercive research on pregnant forced laborers in National Socialism. In: *Human Subjects Research after the Holocaust*, edited by Sheldon Rubenfeld and Susan Benedict, 99-108. Springer.
 - Bazelon, Emily. 2013. The Nazi anatomists: How the corpses of Hitler’s victims are still haunting modern science- and American abortion politics. *Slate*. URL:
http://www.slate.com/articles/life/history/2013/11/nazi_anatomy_history_the_origins_of_conservatives_anti_abortion_claims_that.html .
 - Weindling, Paul. 2012. “‘Cleansing anatomical collections: the politics of removing specimens from German anatomical and medical collections 1988-92,” *Annals of Anatomy* 194:237-242.

Unit 11, 12 November 2019: Ethical transgressions then and now

- PPT presentation: “Stages of an Ethical Transgression in the Anatomical Sciences”, postwar developments
- First 3 and a half minutes of *Science and the Swastika*, 2001
 - o *The deadly experiment* <https://www.youtube.com/watch?v=FZquBH0CH24>
- Discussion:
 - o Why did anatomist-physicians behave in this manner?
 - o Personal insights, insights for current medicine
- Discuss biographies of Hirt victims, then finish documentary “Le nom des 86” by Raphael Toledano et al., Dora-Film 2014, discussion
 - Eva Kor (survivor of Mengele’s twin experiments in Auschwitz), interview I, <https://www.youtube.com/watch?v=PZKanUiunEA&feature=youtu.be>

**Preparation for Unit 12, 19 November 2019: dealing with the past, relevance for today
dealing with today, relevance of the past**

Assigned reading:

- Vienna Protocol

Finalize your essays and presentations

Optional:

- Roelcke, Volker. 2010. “Medicine during the Nazi period: historical facts and some implications for teaching medical ethics and professionalism.” In: *Medicine after the Holocaust. From the master race to the human genome and beyond*, edited by Sheldon Rubenfeld. New York: Palgrave MacMillan, 17-29.
- check out the new investigative series by Reuters on for-profit Body Brokers in the US:
 - <https://www.reuters.com/investigates/section/usa-bodies/>
 - <http://www.reuters.com/article/us-usa-bodies-fbi-exclusive/exclusive-fbi-agents-raid-headquarters-of-major-u-s-body-broker-idUSKBN1D72SL>

Unit 12, 19 November 2019: The relevance of the past for the present

- postwar developments
- Discussion Vienna Protocol,
- Watch Bill contribution to Toronto symposium
- to use or not to use: Watch 2017 video on “material” from “euthanasia” victims: <https://www.youtube.com/watch?v=f92PrngG6p0&t=45s>
- [not included 2019: Discussion: dealing with the past, relevance for today

- ? Tuam: https://www.youtube.com/watch?v=XoulaehrD_I
- The Nuremberg Code
- Watch first 7 minutes of video, documentary “Expert witness against torture” <http://expertwitnessagainsttorture.com>]

Preparation for Unit 13, 26 November 2019, and Unit 14, 3 December 2019: Finish your essay projects and prepare to discuss in class

Assignment:

Work on essay projects and presentations

Optional reading: these are mostly newspaper articles about are subject matter

- AP news report September 1, 2016: Human bones found near former Nazi research site in Berlin
<https://www.voanews.com/a/human-bones-found-near-former-nazi-research-site-near-berlin/3489524.html>
- Bever, Lindsey. 2015. Remains of Holocaust experiment victims found at French forensic institute. Washington Post, 7/22/2015, URL:
<http://www.washingtonpost.com/news/morning-mix/wp/2015/07/22/remains-of-holocaust-victims-used-as-guinea-pigs-found-at-french-forensic-institute/> (Links to an external site.)
- Bazelon, Emily. 2013. The Nazi anatomists: How the corpses of Hitler’s victims are still haunting modern science- and American abortion politics. Slate. URL:
http://www.slate.com/articles/life/history/2013/11/nazi_anatomy_history_the_origins_of_conservatives_anti_abortion_claims_that.html (Links to an external site.)
- Excerpts from Müller-Hill, Benno. 1998. *Murderous science: Elimination by scientific selection of Jews, Gypsies, and others in German, 1933-1945. English translation of German original 1984.* Woodbury New York: Cold Spring Harbor Laboratory Press, 3-41

Unit 13, 26 November 2019: Presentations

- First set of student projects
- Possibly: Eva Kor interview I, first 5 minutes:
<https://www.youtube.com/watch?v=PZKanUiunEA&feature=youtu.be>

- ? last 5 minutes from Michalczyk, John J.: In the Shadow of the Reich: Nazi Medicine (start at 47:40min)

Preparation for Unit 14, 3 December 2019: Finish your essay projects and prepare to discuss in class

Assignment: finish projects

Unit 14, 3 December 2019: Presentation essay projects and prepare to discuss in class