

31 May
– 5 June
2015

Summer
School

Consciousness
and
Decision Making



המרכז הרב תחומי לחקר המוח
ע"ש לסלי וסוזן גונדה (גולדשמיד)
The Leslie and Susan Gonda (Goldschmied)
Multidisciplinary Brain Research Center



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WELCOME

The Summer School focuses on interdisciplinary questions in mind and brain research. More specifically, the School will deal with “consciousness and decision making”.

The problem of consciousness is one of the key issues in mind and brain research. Consciousness is constitutive for our entire experience, for many of our higher cognitive abilities and for our prescientific self-understanding. Likewise, the question of how we make decisions is of enormous ethical and scientific relevance, affecting both our everyday life and our self-understanding. Both topics are continuously stirring heated debates, but despite enormous efforts we are far from a universally accepted theory of consciousness or free will.

There are many reasons why this is so. One of them results from difficulties to design ecologically valid experiments on these subjects. As far as consciousness is concerned, the problem is to make sure that behavioral or neurophysiological responses can guarantee the existence of consciousness, particularly in experiments with young kids or animals. Likewise, typical free will experiments are about choices between different button-presses (A vs. B) that have no significance whatsoever to the experimental participants. In real life settings, however, the choices *do* matter. Thus, findings might look differently if subjects *would* care: personal processes, rational deliberation, and conscious intentions might play a more important role than they do in mere button-press designs.

It seems therefore reasonable to look for ways to design ecologically valid experiments in both areas. To do so, the interdisciplinary Summer School brings together senior and junior researchers from mind and brain research disciplines to discuss the question “how to design ecologically valid paradigms for free will and consciousness” from different perspectives.

The following specific topics will be addressed:

- (1) How to study consciousness and decision making in choices that matter.
- (2) How to derive conclusions regarding higher cognitive functions from behavioral data in experiments with non-linguistic subjects (babies, animals).
- (3) Philosophical analysis of “relevant” decisions.

The format of the summer school will include talks by established guest speakers, and hands-on work on specific projects in working groups. Each group will be led by one senior researcher, and will work during the week of the summer school to develop, program, run and analyze a specific experiment that touches directly on the topics listed above. It is hoped that such intense environment would yield interesting findings as well as spur long-lasting collaborations between the institutes and researchers.

The morning sessions are composed of lectures by invited international researchers and they are open to the public. The afternoon sessions are dedicated to group work: Participants will work in small groups and will receive first-hand information by the researchers heading the groups. At the end of the summer university, each working group will present their results to all participants and lecturers.

The summer university is a joint project of the Berlin School of Mind and Brain, Humboldt-Universität zu Berlin and the Leslie and Susan Gonda Multidisciplinary Brain Research Center, Bar-Ilan University, Ramat-Gan, Israel.

Welcome to the Berlin School of Mind and Brain!

HOSTS AND LECTURERS

HOSTS

[Professor Dr Michael Pauen \(Lecture, working group\)](#)

Institute of Philosophy

Academic director of the Berlin School of Mind and Brain

Humboldt-Universität zu Berlin

[Professor Moshe Bar, Ph.D.](#)

Director, Leslie and Susan Gonda Multidisciplinary Brain Research Center,

Bar-Ilan University

LECTURERS

[Professor Dr Marcel Brass \(Lecture\)](#)

Department of Experimental Psychology

Ghent University

[Dr Elana Zion Golumbic \(Lecture, working group\)](#)

Leslie and Susan Gonda Multidisciplinary Brain Research Center

Bar-Ilan University

[Rafi Haddad, PhD \(Working group\)](#)

Leslie and Susan Gonda Multidisciplinary Brain Research Center

Bar-Ilan University

[Professor Dr John-Dylan Haynes \(Lecture\)](#)

Chair for Theory and Analysis of Large Scale Brain Signals, Director of

Berlin Center for Advanced Neuroimaging, Charité –

Universitätsmedizin Berlin

Bernstein Center for Computational Neuroscience



Professor Dr Arno Villringer (Lecture)

Director, Max Planck Institute for Human Cognitive and Brain Sciences,
Leipzig;
Academic director of the Berlin School of Mind and Brain
Humboldt-Universität zu Berlin

Adam Zaidel, PhD (Lecture, working group)

Leslie and Susan Gonda Multidisciplinary Brain Research Center
Bar-Ilan University

COORDINATION / CONTACT

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Ms Johanna Profft

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PROGRAM STRUCTURE

The program of the summer school is divided into two parts: In the morning the participants will attend lectures from 9–12.30 (see schedule and detailed program). In the afternoon there will be working group sessions. Each group shall present the result of their work at the final presentations on the last day of the summer school.

After the first working group session on Monday, the groups will present their ideas to the other participants on Tuesday morning. This way, all groups can benefit from the ideas and comments of all other participants, before they start working on their experiments. Every group has 15 minutes for the presentation of their idea followed by 20–25 minutes discussion with the other participants.

Working groups

In the afternoon, the participants will work in groups consisting of 6–7 people with different lecturers and topics. There are five working groups:

- (1) Oh, did someone just say my name? When the unattended breaks into consciousness at a "Cocktail Party" (Elena Zion Golumbic)
- (2) How much time do we need to become conscious of a stimulus and what happens when we don't have enough time? (Rafi Haddad)
- CANCELLED! (3) Conscious vs. unconscious influence in value-based decision making (Dar Meshi)
- (4) Real alternative possibilities: Requirements and suggestions for experiments (Michael Pauen)
- (5) Top-down effects on perceptual decision making (Adam Zaidel)

Final presentations (Friday)

All groups are asked to present their results on the last day of the summer school. Each group will have 15 minutes for the presentation followed by a 15-minute discussion with lecturers, hosts, and participants. The groups can decide on how they wish to present their proposals, e.g., one or more group members can give the presentation; different presentation tools can be used.

SCHEDULE OVERVIEW

Coffee breaks:

Coffee, tea and cold drinks will be served in the Cafeteria (first floor).

Lunch breaks:

Please find suggestions for lunch places on page 21 ff.

Time/Day (s.t.)	Sunday, 31 May	Monday, 1 June	Tuesday, 2 June	Wednesday, 3 June	Thursday, 4 June	Friday, 5 June
09.00–10.30	During the day: Arrival	Consciousness: Why we should distinguish first person experience from first personal knowledge Lecture (M. Pauen)	Working groups presentations & discussion	Brain signals predicting free choices: Hooray – there is free will after all! (J.D. Haynes)	Neural correlates of unconscious somato-sensory processing (A. Villringer)	Working groups
10.30–11.00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11.00–12.30		Selective Ignoring: The neural representation of the unattended (E. Zion Golumbic)	Working groups presentations & discussion	Conscious and unconscious influences on intentional control of behavior (M. Brass)	Concurrent Decision and Sensory Signals in Parietal Neurons (A. Zaidel)	Working groups presentations
12.30–14.00		Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
14.00–15.30		Working groups	Working groups	Working groups	Working groups	Working groups presentations & Closing discussion
15.30–16.00		Coffee break	Coffee break	Coffee break	Coffee break	
16.00–17.30		Working groups	{Working groups}	Working groups	Working groups	
19.00–(Evening)	Welcome and introduction (M. Pauen, M. Bar)	17.30 Guided tour Airport Tempelhof joint dinner	16.00 Guided Tour Reichstag building and dome; joint dinner	[tentative workshop group meeting]	[tentative workshop group meeting]	Departure

Rooms for working groups (122, 123, 144, 224): See detailed program, page 14 ff.

NB: All rooms for the working groups will be equipped with a flip chart and workshop material. In case you need a beamer, please turn to the coordinator or student assistants.

WORKING GROUPS

Working group 1

Elena Zion Golumbic: Oh, did someone just say my name? When the unattended breaks into consciousness at a “Cocktail Party”

One of the most well-known phenomena in cognitive psychology is the “Cocktail Party Effect” which describes the high likelihood to detect one’s own name and other salient sounds embedded in a presumably unattended stimulus-stream. This phenomena is the basis of Late Selection theories of attention, which propose that all stimuli – attended and unattended - are processed fully for semantic content, but only stimuli that are relevant (for the task, or personal relevance) enter consciousness. There is much behavioral evidence that the semantic meaning of unattended stimuli is indeed processed (at least to some degree), yet explicit recollection or recognition of unattended content is low, suggesting a disparity between semantic processing per se and consciousness. Studying the phenomena of unattended stimuli “breaking into consciousness” is extremely difficult from a methodological point of view. This work group will take on this challenge, and will attempt to design an experiment which will allow studying the degree (and limitations) of semantic processing of and consciousness to unattended stimuli.

Working group 2

Rafi Haddad: How much time do we need to become conscious of a stimulus and what happens when we don’t have enough time?

For a stimulus to be perceived it must be sensed by the sensory organ for specific time duration. Different sensory stimuli require different time durations. While a stimulus can be too short to be consciously perceived, several studies have shown that stimuli that have not reached consciousness can still elicit detectable neural activity and can affect our behavior in surprisingly ways. These stimuli are called subliminal stimuli. Another interesting sensory perception principle is the temporal binding window. Two stimuli presented one after another are perceived as one stimulus if the time between them is short enough. For example, a 3-color wheel spins fast enough so that a new color is perceived. In this workshop, we will try to design subconscious stimuli at different sensory systems (vision, audition and olfaction) and then design experiments to

understand how combining different subliminal stimuli from different modalities at different time durations and time delays effects our perception, emotion and behavior. The hypothesis is that although each of the stimuli doesn't cross perception the combination of several subliminal stimuli might cross perception in an unexpected ways. Furthermore, since olfactory stimuli are strongly related to emotion we also hypothesis that subliminal olfactory stimuli might have strong unconscious emotional effects. The next step of this project could be to find the underling neural mechanism that can explain the behavioral results we will obtain.

Working group 4

Michael Pauen: Real alternative possibilities: Requirements and suggestions for experiments

Having alternative possibilities is an essential requirement for freedom and responsibility. These alternatives have to be (e.g. morally) relevant. Someone who violates a norm is responsible only if they were able to refrain from violating it. Alternatives in many free will experiments, however, tend to be irrelevant: The only alternative to pressing a button A is to press a similar button B. It will be dis-cussed (a) what "real" alternatives are, (b) why they are indispensable and (c) how they can be operationalized without raising methodological concerns.

Working group 5

Adam Zaidel: Top-down effects on perceptual decision making

Perception is not just a feedforward mechanism from stimulus to decision. Rather, even low level perception is affected by top-down effects such as context and priors. In this workshop we shall test top-down effects of high level cues on the perception of motion. This will be done within the Bayesian framework. It will begin with a brief introduction to the relevant Bayesian concepts (likelihoods and priors), followed by a simple psychophysical experiment using a motion perception paradigm. In the experiment, high level cues will be used to manipulate context/priors. We will test motion perception in the different contexts using a 2-alternative forced choice task and compute psychometric functions from the recorded responses. The results will then be analysed in light of their underlying likelihoods and priors. In the end we will be able to describe how the context and priors affected our overall perception of motion.

WORKING GROUPS AND PARTICIPANTS

Name Lecturer	Group No.	Name participant	First name participant
E. Zion-Gloumbic	1	Arviv	Oshrit
		Zeev Wolf	Maor
		Herz	Noa
		Makov	Shiri
		Pick	Hadas
		Genauck	Alexander
R. Haddad	2	Herding	Jan
		Iemi	Luca
		Sauter	Marian
		Simchah Panzer	Meir
		Tertel	Kathrin
		Ciechanowski	Leon
M. Pauen	4	Havlíček	Ondřej
		Asma	Lieke
		Lambez	Bar
		Podvalny	Ella
		Shani – Sherman	Tal
		Levy	Daniel
		Marron	Tali

A. Zaidel	5	Baror	Shira
		Feigin	Helen
		Goldberg	Michael
		Kaltwasser	Laura
		Sarzynska	Justyna
		Kirfel	Lara-Christina

(The third working group by Dar Meshi had to be cancelled.)

DETAILED PROGRAM: LECTURES AND WORKING GROUPS

Coffee breaks take place 10.30–11.00 and 15.30–16.00; lunch breaks (if not stated otherwise): 12.30–14.00.

All lectures and working groups will take place in the building of the Humboldt Graduate School.

NB! Please consult the detailed program below for finding the room for the group work.

Sunday, 31 May 2015

17.00–19.00 [Festsaal, 2nd floor]

Arrival and registration

19.00 [Festsaal, 2nd floor]

Michael Pauen and Moshe Bar: Welcome and introduction

Followed by a welcome reception

Monday, 1 June 2015

09.00–10.30 [Festsaal, 2nd floor]

Michael Pauen: Consciousness: Why we should distinguish first person experience from first personal knowledge

Conscious experience is a first person phenomenon. First personal knowledge about one's own experience seems to be privileged as well. As a consequence, our prospects for an adequate scientific explanation of consciousness appear problematic. In my lecture, I will present theoretical and empirical evidence showing that there is no specific first personal privilege with respect to knowledge. Although I am privileged with respect to my own experience, others are in basically the same position as I am when it comes to the acquisition of knowledge regarding experience. As a consequence, there is no reason to deny the possibility of a scientific explanation of consciousness.

10.30–11.00 *Coffee break*

11.00–12.30 [Festsaal, 2nd floor]

Elana Zion-Columbic: Selective Ignoring: The neural representation of the unattended

Natural environments are often cluttered with multiple simultaneous stimuli, of which only a fraction are behaviorally relevant. Thus, a main challenge for the perceptual and cognitive system is to selectively attend only to task-appropriate stimuli, while effectively ignoring the irrelevant ones. However, there is both behavioral and neural evidence that such 'selective ignoring' is not always simple. In this talk I will discuss recent data exploring the neural representation of "unattended" stimuli, and implications for behavior.

12.30–14.00 *Lunch break*

14.00–15.30 Working group sessions

15.30–16.00 *Coffee break*

16.00–17.15 Working groups continue

Room plan working groups (WG):

Working group	Room
WG 1 (Zion Golumbic)	122
WG 2 (Haddad)	123
WG 4 (Pauen)	144
WG 5 (Zaidel)	224

17.30 (s.t.!) Guided tour on the grounds of the former [Airport Tempelhof](#). The tour is scheduled for **18.30**. Please find directions for the way from the train station (Platz der Luftbrücke) to the meeting point for the airport tour in your folder.

Meeting point: Foyer, ground floor. Afterwards we can have a joint dinner in Kreuzberg.

Tuesday, 2 June 2015

09.00–10.30 [Festsaal, 2nd floor]
Working group presentations and discussion

10.30–11.00 *Coffee break*

11.00–12.30 [Festsaal, 2nd floor]
Working group presentations and discussion

12.30–14.00 *Lunch break*

14.00–15.30 Working group sessions

15.30–16.00 *Coffee break*

Room plan working groups (WG):

Working group	Room
WG 1 (Zion Golumbic)	122
WG 2 (Haddad)	123
WG 4 (Pauen)	144
WG 5 (Zaidel)	224

16.00 (*please be punctual!*) Meeting in the Foyer for the guided tour in the [Reichstag building](#) and dome at 17.00.

We will have to reach the Reichstag **30 minutes before** the tour starts, i.e. at 16.30, for the security checks! Please find directions in your folder.

Joint dinner (optional; with registration only)

Wednesday, 3 June 2015

09.00–10.30 [Festsaal, 2nd floor]

John-Dylan Haynes: Brain signals predicting free choices: Hooray – there is free will after all!

When humans choose freely between different alternative actions, their choices are often predictable by prior brain signals. We investigated whether these choice-predictive brain signals are part of a ballistic causal chain that involuntarily leads to the predicted decision or whether a person can change or terminate the process once begun. We found that people can override choice-predictive brain signals until a very late stage of processing. This suggests that participants can control the outcome of a decision until a very late stage.

10.30–11.00 *Coffee break*

11.00–12.30 [Festsaal, 2nd floor]

Marcel Brass: Conscious and unconscious influences on intentional control of behaviour

The problem of how we can voluntarily control our thoughts and actions has always fascinated philosophers and psychologists. At the heart of this problem lies the concept of human volition, which is tightly related to concept of consciousness. In the first part of my talk, I will summarize research on the functional neuroanatomy of human volition. Furthermore, I will address the question of how conscious and unconscious processes might interact in voluntary control of behaviour. In the second part of my talk, I will present research on the influence of metacognitive states on basic cognitive processes.

12.30–14.00 *Lunch break*

14.00–15.30 Working group sessions

15.30–16.00 *Coffee break*

16.00–17.30 Workings groups continue

Room plan working groups (WG):

Working group	Room
WG 1 (Zion Golumbic)	122
WG 2 (Haddad)	123
WG 4 (Pauen)	144
WG 5 (Zaidel)	224

Thursday, 4 June 2015

09.00–10.30 [Festsaal, 2nd floor]

Arno Villringer: Neural correlates of unconscious somatosensory processing

Most of the sensory information which is received by our senses remains unconscious. Yet, this information may still influence our behavior. We are studying underlying neurophysiological mechanisms in the somatosensory system: For subliminal somatosensory input to a finger, we show that stimulus processing reaches the cortex as indexed by an evoked potential and a change in fMRI-BOLD signal. In contrast to stronger supraliminal stimuli, this bottom-up sweep, however, seems to stop after around 60 ms probably due to a dominance of inhibitory processing. This inhibitory processing is reflected by an impediment of further somatosensory input. We further find a stimulus-induced modulation of local alpha rhythm which we hypothesize to be a correlate of the downregulation of the somatosensory system. Focal attention on the stimulated finger systematically modulates these processes.

10.30–11.00 *Coffee break*

11.00–12.30 [Festsaal, 2nd floor]

Adam Zaidel: Concurrent decision and sensory signals in parietal neurons

Sensory responsive neurons are frequently studied with the understanding that they encode an external stimulus. Accordingly, variance in neuronal responses to a stimulus is considered 'noise' and averaged out to create tuning curves. However, neuronal variance may also result from sources other than sensory noise, such as top-down (feedback) decision variables. Accordingly, neuronal activity could reflect both sensory and decision signals jointly. Superficially, neuronal tuning curves in the medial superior temporal (MST) and ventral intra parietal (VIP) areas, from awake, behaving primates, look similar. Both areas demonstrate multi-sensory (visual and vestibular) responses to self-motion stimuli. However, using single-cell partial correlation analysis and population dimensionality reduction, I shall describe that the contribution of top-down decision signals to neuronal activity is different in these two areas. While

MST primarily reflects the sensory stimuli, VIP carries a strong decision signal. Importantly, choice probabilities (CPs; a common measure of correlation between neuronal firing rates and behavioral responses for a given stimulus) should not be interpreted to exclusively reflect a downstream effect of sensory noise on decisions. Rather, strong CPs, such as those seen in area VIP, may result from top-down decision signals.

12.30–14.00 *Lunch break*

14.00–15.30 Working group sessions

15.30–16.00 *Coffee break*

16.00–17.30 Working groups continue

Room plan working groups (WG):

Working group	Room
WG 1 (Zion Golumbic)	122
WG 2 (Haddad)	123
WG 4 (Pauen)	144
WG 5 (Zaidel)	224

Friday, 5 June 2015

09.00–10.30 [See working group schedule below]

Working groups prepare their presentations

10.30–11.00 *Coffee break*

11.00–12.30 [Festsaal, 2nd floor]

Working group presentations and discussion

All working groups will present their results and get feedback on their presentations.

12.30–14.00 *Lunch break*

14.00–16.00 [Festsaal, 2nd floor]

Working group presentations and discussion

Closing discussion and Farewell

16.00 Departure

Room plan working groups (WG)

Working group	Room
WG 1 (Zion Golumbic)	122
WG 2 (Haddad)	123
WG 4 (Pauen)	144
WG 5 (Zaidel)G	224

TAKE A BREAK – LUNCH PLACES CLOSE TO M&B

University cafeteria

The following cafeterias and dining halls (Mensa) are close to the Berlin School of Mind and Brain, Humboldt-Universität and the Charité (Campus North). The Studentenwerk maintains additional dining halls all over the city.

The closest Mensa is **Mensa Nord**, Hannoversche Straße 7, 10115 Berlin.

Mensa Süd

Unter den Linden 6, 10117 Berlin (HU main building)

Coffeebar HU Säulenmensa

Unter den Linden 6, 10117 Berlin (HU main building)

Mensa HU Spandauer Straße

Spandauer Straße 1, 10187 Berlin

Mensa FU Lankwitz

Malteser Straße 74, 12249 Berlin

A complete list is available online at:

▶ www.studentenwerkberlin.de/en/mensen
(in English).

Cashless payment with MensaCard

You can pay cash-free in all our dining halls (Mensa) and cafeterias with your MensaCard. In establishments where uploading terminals for the MensaCard have been installed, you can only pay with the MensaCard, e.g., Mensa Nord. This is a loadable chip card, on which merely the remaining amount and the card number are stored. You will find uploading terminals in the Mensa foyers. You use them to upload banknotes. Mensa Nord: Here you will find the machine in the main entrance hall, on the left hand side when you stay in front of the entrance doors.

Cafés and restaurants

1. **Mahlzeit Luise** (Soups, salads, mediterranean food)

Luisenstraße 39, Phone: 0163 738 85 81

www.mahlzeitluise.de

2. **Papaya** (Asian fast food)

Luisenstraße 49, Phone: 27 59 54 87

www.papaya-service.de

3. **Café Small** (American/Mediterranean food)

Luisenstraße 48, Phone: 28 87 99 06

4. **Thürmann Café Luise** (Bakery)

Luisenstraße 46, Phone: 28 04 70 00

5. **Thai-Tasty** (Thai fast food)

Luisenstraße 14, Phone: 301 023 01

www.thai-tasty.de/

6. **Sabzi** (Oriental food)

Luisenstraße 15, Phone: 0177 6712732

www.sabzi.de

7. **Auf die Hand – Feinstes Fastfood** (Organic food)

Luisenstraße 45, Phone: 48 82 37 59

www.auf-die-hand.de/

8. **Porta Nova** (Ristorante Pizzeria)

Robert-Koch-Platz 12, Phone: 28 04 04 08

www.portanova-berlin.de/

9. **Mangiarbene Da Giancarlo** (Italian cuisine)

Platz vor dem Neuen Tor 5, Phone 28 87 96 70

www.mangiarbene.de/

10. **JONES** (American style organic food)
Reinhardtstraße 9, Phone: 28 88 40 88
www.jonesfoodstore.com

11. **Pane e Vino** (Italian cuisine)
Friedrichstraße 134, Phone: 20 21 56 55
www.paneevino-berlin.de

12. **Café & Bistro Cou Cou** (Lunch menu, cakes, coffee)
Reinhardtstraße 37, Phone: 0177 6712732
www.facebook.com/bistrocoucou

Note: In all restaurants you will find vegetarian dishes on the menu.

Kosher Food in Berlin

There are different places in Berlin where you can eat or buy kosher food. Cafés, restaurants and shops marked in italics are in Berlin-Mitte, not far from the hotel/Berlin School of Mind and Brain.

1. ***Beth Café*** (Eastern European, Middle Eastern and American – Dairy)
Tucholskystraße 40, 10117 Berlin; Train: S Oranienburger Tor
Phone: 2813134; Supervision: Adass Jisroel

2. ***Café Bleibergs*** (Café fare – Dairy)
Nürnberger Straße 45A, 10789 Berlin
Train: U Wittenbergplatz, U Augsburger Straße); Phone: 21913624
Supervision: Yitzhak Ehrenberg
Notes: Open Sun–Thu 11am – 9 pm; Fri 9 am – 3 pm (summer) or 12 pm (winter); Beliberg's also hold a kosher B&B.
www.bleibergs.de

3. ***Café Elfenbein*** (Café)
Kastanienallee 64, 10119 Berlin; Train: Zionkirchplatz, Phone: 48493495
Supervision: Lauder Yeshiva
www.elfenbein-cafe.de

4. **Plaetzl Imbiss** (Snacks at a kosher grocery store)
Passauer Straße 4; Train: U Wittenbergplatz
Phone: 2177506; Supervision: Yitzhak Ehrenberg

5. **Milo** (Meaty kosher restaurant)
Münstersche Straße 6, 10709 Berlin; Train: U Konstanzer Straße
Phone: 4920 5359; Supervision: Chabad (Teichtel). Notes: Sun-Thu, 2pm – 10pm
www.miloinberlin.de

6. **Summer Grill** (Glatt kosher)
Joachimstaler Straße 13, 10719 Berlin; Train: U Kurfürstendamm; Phone: +49-(0)30-2112 273. Supervision: Ahrenberg
www.facebook.com/summergrill

7. **Shiloh** (Israeli, Mediterranean, Vegetarian)
Torstraße 159, 10115 Berlin; Train: U Rosenthalerplatz, S Oranienburger
Supervision: Z.A. Aloni; Phone: 0176-70676858
Notes: Sun–Thu 12 (noon) – 8pm. Shiloh offers also a Hebrew library and changing art exhibitions venue.
www.kerenskitchen.com

Restaurants and Cafes without Supervision

(Kosher style and Jewish style restaurants)

1. **Djimalaya** (Humus, salads, grill dishes)
Invalidenstraße 159, Train: Rosenthaler Platz, S Nordbahnhof
Notes: Mon–Sun 12am – 11pm
www.djimalaya.de

2. **Bäckerei Taitler** (Bakery, Café), Knesebeckstraße 6; Train: U Ernst-Reuter-Platz; Phone: 0178-8817100
Notes: Sun–Thu 10 am – 7 pm; Friday in the summer till 5 pm (closed on Saturday)
www.bakery-taitler.de



3. **Liebermann's** (dairy and meat – but separately)

In the Jewish Museum: Lindenstraße 9–14; Train: U Hallesches Tor, bus 248; Phone: +49-(0)30-25939760; Notes: Throughout the week 10am – 10pm

www.liebermanns.de

4. **Feinberg's** (dairy and meat – but separately)

Fuggerstraße 37; Train: U Wittenberg Platz, U Augsburg Street
Phone: 91553462; Notes: Tue–Sun 12 (noon)– 11pm

www.feinbergs.de

AROUND AND ABOUT IN BERLIN

Public transportation and bike rentals

Berlin has an extensive public transport system of subways (U-Bahn), trains (S-Bahn), buses, and streetcars (Tram or Straßenbahn), allowing you to conveniently reach almost every location in town day and night. The urban public transport systems are mainly operated by two companies: the Berliner Verkehrsbetriebe (BVG) and the S-Bahn Berlin. You can use the trains and buses of both companies inside the Berlin fare zone with a ticket from either one of them. This also includes regional rail transport and ferries. Berlin has three fare zones: Zone A is within the S-Bahn ring and encompasses the city center, zone B ends at the city limits, zone C includes Berlin's immediate surroundings (e. g. Airport Berlin-Schoenefeld, Potsdam, Oranienburg).

For more information and timetables please visit:

- ▶ www.bvg.de
- ▶ www.s-bahn-berlin.de

Bike rentals

Fahrradstation am Bahnhof

Friedrichstrasse 95 (entrance: Dorotheenstrasse 30) 10117 Berlin

Tel.: + 49 30 2838 4848

- ▶ www.fahrradstation.de

Route planner

BBBike is an online route planner for bikers in Berlin. Of the 11,000 streets in Berlin, more than 10,000 are included there, also 420 streets in Potsdam. If a certain street is not listed, the nearest intersection will show up automatically.

- ▶ www.bbbike.de/cgi-bin/bbbike.en.cgi

Shopping

Kosher Groceries

The following is a list of kosher grocery stores. Except for these, you can also find kosher products in normal stores. Kosher wine could be found in Karstadt, KaDeWe and Galeria Kaufhof. However, the product range is not in the rate and the comfort you might be used to from other countries: some products are kosher, but it is not indicated on the German package. The best thing would be to buy/download the booklet "Rabbi Ist Das Koscher", which indicates Kaschruth regarding all components in foodstuff.

Bäckerei Kädtler (Baked goods)

Danziger Straße 135, 10407 Berlin

Train: S Greifswalder Straße; trams M10 or M4 till Greifswalder Straße/Danziger Straße; Phone: 4493214

www.kaedtler.de/

Balmi Lachsräucherei (Smoked fish)

Lahnstraße 56-78, 12055 Berlin; Train: U/S Neukoelln;

Phone: 6848017/18

Notes: In an industrial/workshop area; entrance from Mittelbuschweg

www.balmi-lachsraeucherei.de/

Kolbo (Belongs to the Adass Jisroel community)

Auguststraße 77-78, 10117 Berlin; Train: S Oranienburger Straße

Phone: 2813135

www.adassjisroel.de/kolbo

Kosher Deli (Kosher butcher (schochet))

Goethestraße 61, 10625 Berlin; Train: S Savignyplatz; Phone: 31509243

Schalom (Kosher grocery store)

Sybelstr. 10 10629 Berlin; Train: U Adenauerplatz; Phone: 3121131 or 2135317

KosherLife

Fehrbellinerstraße. 40, 10119 Berlin; Train: U Bernauer Straße

Phone: 50911304

Supervision: Lauder Foundation

Notes: Opening: Sun –Thu 1 pm – 3 pm; Fri 11 am –2 pm

www.kosherlife.de

Supermarkets and more

There is a great variety of supermarkets in Berlin, everything from high end, discount, organic food to small shops specializing in seafood, Turkish or English food, for instance. Discount supermarkets like Aldi, Lidl, Penny or Netto sell food and beverages at lower prices than regular supermarkets like Kaiser's, Edeka or Rewe. Discount stores often sell no-name products or house brands, and their merchandise is stored in boxes rather than on shelves. You will not find fresh cheese, meats and fish; instead, everything is packaged and sealed. Some discount stores even offer their own organic food brands for surprisingly low prices.

High-end

- Reichelt: ► www.reichelt-berlin.de
- Rewe: ► www.rewe.de
- Edeka: ► www.edeka.de

Mid-range

- Kaiser's: ► www.kaisers.de
- Real: ► www.real.de

Discount markets

- Aldi: ► www.aldi.de
- Lidl: ► www.lidl.de

Please note: Some of the Kaiser's and Reichelt supermarkets are open Monday through Saturday until midnight. Check the websites for details.

Organic only

- Bio Company (everywhere in Berlin): ► www.biocompany.de
- LPG (Kreuzberg and Prenzlauer Berg): ► www.lpg-naturkost.de

Department stores

- Wertheim ► www.wertheim.de
- Karstadt ► www.karstadt.de

- Kaufhof ► www.kaufhof.de
- KaDeWe ► www.kadewe.de

Another German (maybe European) particularity is that stores are generally closed after 20.00 and on Sundays. But this wouldn't be Berlin if there were no alternatives, providing you with the most necessary stuff even at odd hours.

Late-night shops

It would be impossible to list all of Berlin's late-night shops. But a good indicator that a place is open at odd hours is if they call themselves *Späti* or *Spätverkauf*. These shops are mostly open until 23.00 or midnight, sometimes longer. The gas stations, *Tankstelle* or *Tanke*, are also open Monday through Sunday until midnight. Selections may vary, however, and the offer is usually more limited than at the Spätis. Please note: Both Spätis and Tankstellen charge considerably higher prices than supermarkets.

Sunday shopping

At the S-Bahn stations 'Zoologischer Garten', 'Friedrichstrase' and 'Ostbahnhof', a selection of shops is open on Sundays and bank holidays until 22.00. At 'Zoologischer Garten' you can find the Ullrich supermarket, at 'Friedrichstrase' the Edeka and at 'Ostbahnhof' you have a choice between Rewe and Lidl.

Cultural activities

Berlin is well known for its cultural diversity, whether it is theaters, opera houses or cinemas. Cultural events happen every day of the week. City magazines called Zitty, Tip and the English-language Metropolis or Ex-Berliner inform you about what's up and where to go.

It is cheaper to go to the movies on so-called *Kinotag* (Mondays, Tuesdays or Wednesdays, depending on the respective movie theater). On these days, movie tickets only cost between € 4 and € 6 (on other days prices range from € 8 to € 11).

You can also explore "Berlin for free": German- and English-language websites (such as the ones listed below) provide extensive information about exhibitions, concerts, sightseeing, film, etc.

Culture for free

- ▶ www.berlin.admission-free.org
- ▶ www.gratis-in-berlin.de (German)
- ▶ www.berlin.de/kultur-und-tickets/kultur/berlin_umsonst (German)
- ▶ www.berlin.barwick.de/shopping/berlin-for-free.html (German)

Health Services

If you feel sick, you may visit any doctor of your choice. It is highly recommended, though, to select a general practitioner for your first visit. Depending on your condition, this doctor can refer you to a specialist. You do need to present your insurance card and you should make an appointment if you do not want to wait too long. Not every treatment or therapy is covered by the health insurance. Your doctor will inform you about what is covered and what is not. Dental treatment, especially, usually involves extra cost. Therefore, dentists supply you with a so-called Heil- und Kostenplan, a sort of treatment offer that you need to submit to your insurance company for approval. They will let you know how much of it they will cover.

So where do you find the right doctor? A recommendation by a friend, the dentist's office next door, or the yellow pages are some of the options. Asking your health insurance provider is another option. You may also look up the online database of the Kassenärztliche Vereinigung (KV), an organization to which all doctors belong:

- ▶ www.kvberlin.de/6oarztsuche/index.html

To find English-speaking doctors, check with the US or UK embassies. In fact, the embassy of your country may know doctors in Berlin who speak your native language.

For emergencies at night or on weekends, when your primary care physician is not available, you can go to the emergency care unit of any hospital. Charité hospitals offer emergency care on the Mitte, Virchow and Benjamin Franklin campus locations. Most other hospitals have emergency rooms as well. Here, too, you need to present your insurance card.

Generally, drugs can only be obtained at the pharmacy (*Apotheke*), whether they require a prescription or not. So even for something as common as headache or flu medicine or, on the other hand, for highly special medication, you need to go to a pharmacy (or use an online pharmacy). You will find pharmacies all over town. Only a few of them are open 24 hours a day, but they will always refer you to the next open location. There are drugstores as well, but they only sell cosmetics, hygiene products, simple foodstuffs, cleaning supplies, and all kinds of other stuff, but no drugs. Also, they usually process photographs.

Emergency calls

Country code Germany: 0049 (+49)

City code Berlin: 030

Central emergency number (fire brigade, police, ambulance): 112.

Police: 110

You can dial 112 directly from your mobile phone.

To cancel a lost credit or debit or health insurance card call the central number (*Sperr-Notruf*): 116 116. Should this number be engaged, you can also call a Berlin number: +49 (0)30 40504050

Medical on-call service: +49 (0)30 31 00 31

Poisoning emergency number: +49 (0)30 19 240

Drug emergency number: +49 (0)30 19 237

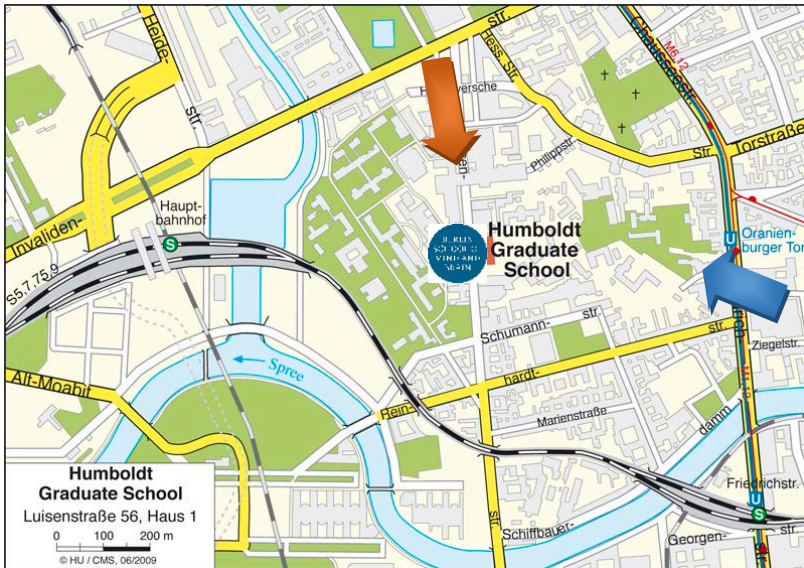
Emergency dental service: +49 (0)30 89 00 43 33

Lost & Found (Berlin): +49 (0)30 90277 3101

Lost & Found (Public Transport): +49 (0)30 19 44 9

SUMMER UNIVERSITY VENUE

Berlin School of Mind and Brain
Humboldt Graduate School (HGS)
Luisenstraße 56, 10117 Berlin
▶ www.mind-and-brain.de



- ➡ Coming from Ziegelstraße (HU Guest house)
- ➡ Coming from Invalidenstraße (Motel One)