Responses on Geographical Location and Percent of “Basic” Research For Principal Investigators

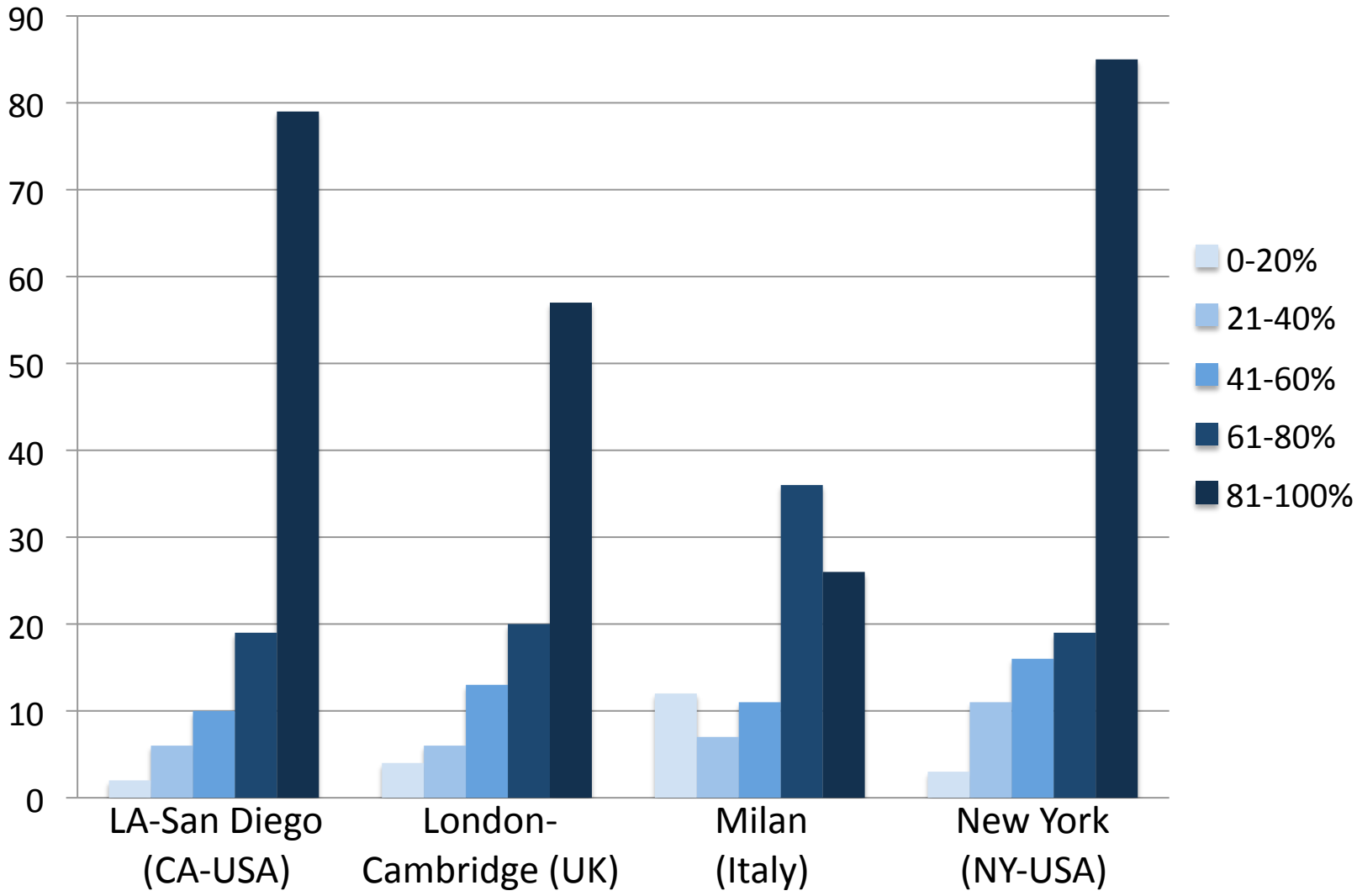


Fig. S19

Percentages of Percent of “Basic” Research per Geographical Location
For Total/Females/Males Principal Investigators

| | 0-20% | 21-40% | 41-60% | 61-80% | 81-100% | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 1.7 | 5.2 | 8.6 | 16.4 | 68.1 | 100 | |
| **London-Camb. (UK)** | 4 | 6 | 13 | 20 | 57 | 100 | |
| **Milan (Italy)** | 13 | 7.6 | 12 | 39.1 | 28.3 | 100 | Total |
| **NYC (NY-USA)** | 2.2 | 8.2 | 11.9 | 14.2 | 63.4 | 100 | |
| Total | 4.8 | 6.8 | 11.3 | 21.3 | 55.9 | 100 | |

| | 0-20% | 21-40% | 41-60% | 61-80% | 81-100% | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 0 | 0 | 14.3 | 5.7 | 80 | 100 | |
| **London-Camb. (UK)** | 0 | 4.2 | 12.5 | 20.8 | 62.5 | 100 | |
| **Milan (Italy)** | 10.8 | 8.1 | 13.5 | 32.4 | 35.1 | 100 | Females |
| **NYC (NY-USA)** | 4.3 | 6.5 | 10.9 | 15.2 | 63 | 100 | |
| Total | 4.2 | 4.9 | 12.7 | 18.3 | 59.9 | 100 | |

| | 0-20% | 21-40% | 41-60% | 61-80% | 81-100% | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 2.6 | 7.7 | 6.4 | 21.8 | 61.5 | 100 | |
| **London-Camb. (UK)** | 5.3 | 6.6 | 13.2 | 19.7 | 55.3 | 100 | |
| **Milan (Italy)** | 15.4 | 5.8 | 11.5 | 44.2 | 23.1 | 100 | Males |
| **NYC (NY-USA)** | 1.2 | 9.4 | 10.6 | 14.1 | 64.7 | 100 | |
| Total | 5.2 | 7.6 | 10.3 | 23 | 54 | 100 | |

Fig. S19

Your personal motivations as a scientist are from:
(a) Pure advancement of knowledge, regardless of future applicability
Principal Investigators ordered by geographical location

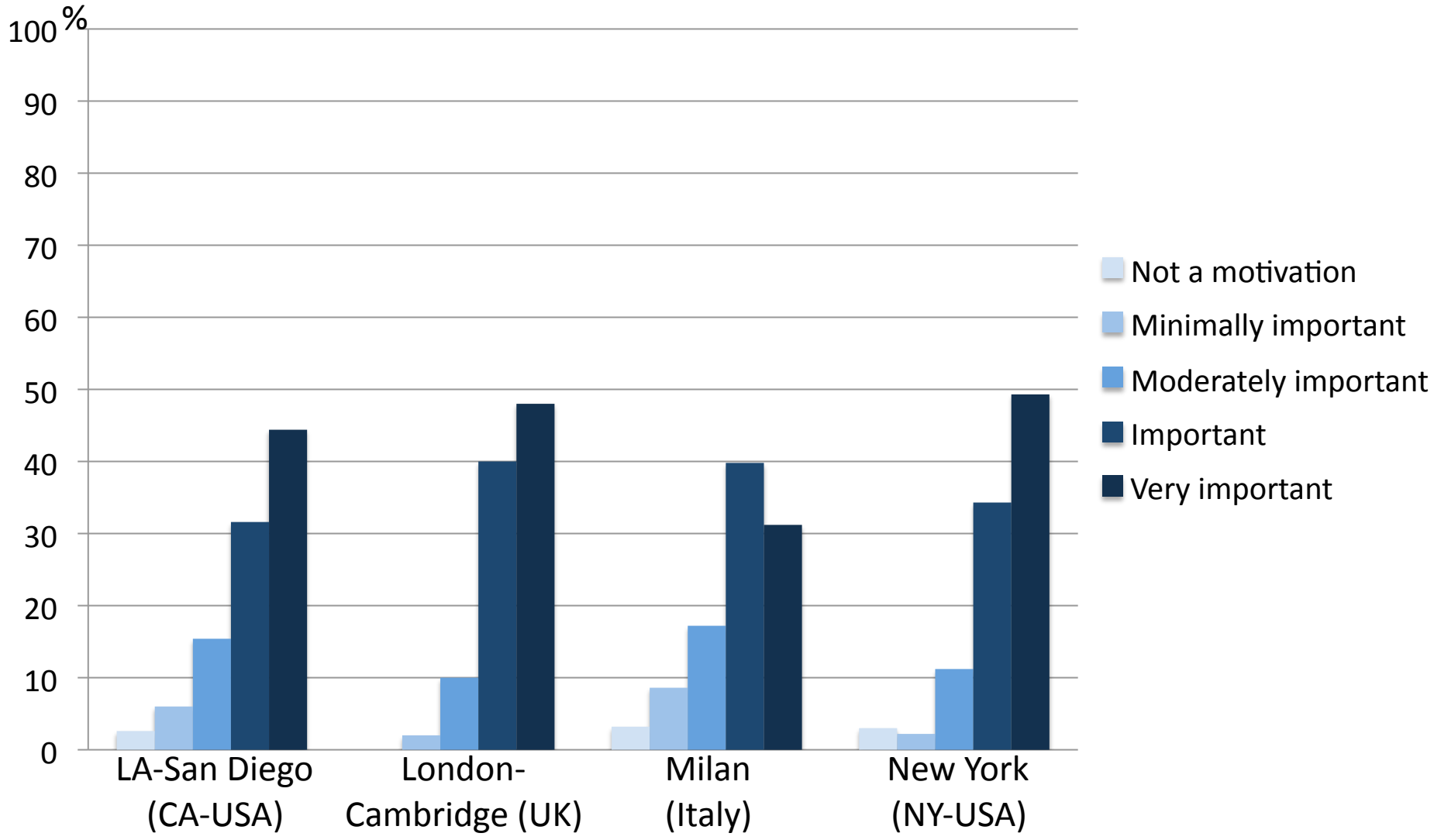


Fig. S20a

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 2.6 | 6 | 15.4 | 31.6 | 44.4 | 100 |
| **London-Camb. (UK)** | 0 | 2 | 10 | 40 | 48 | 100 |
| **Milan (Italy)** | 3.2 | 8.6 | 17.2 | 39.8 | 31.2 | 100 |
| **NYC (NY-USA)** | 3 | 2.2 | 11.2 | 34.3 | 49.3 | 100 |
| Total | 2.3 | 4.5 | 13.3 | 36 | 43.9 | 100 |

0-100%
Basic Research

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 3.8 | 1.3 | 8.9 | 31.6 | 54.4 | 100 |
| **London-Camb. (UK)** | 0 | 0 | 5.3 | 36.8 | 57.9 | 100 |
| **Milan (Italy)** | 0 | 0 | 19.2 | 34.6 | 46.2 | 100 |
| **NYC (NY-USA)** | 2.4 | 1.2 | 8.2 | 27.1 | 61.2 | 100 |
| Total | 2 | 0.8 | 8.9 | 31.6 | 56.7 | 100 |

81-100%
Basic Research

Fig. S20a

Your personal motivations as a scientist are from:
(b) Health benefit to society (not necessarily in the near future)
Principal Investigators ordered by geographical location

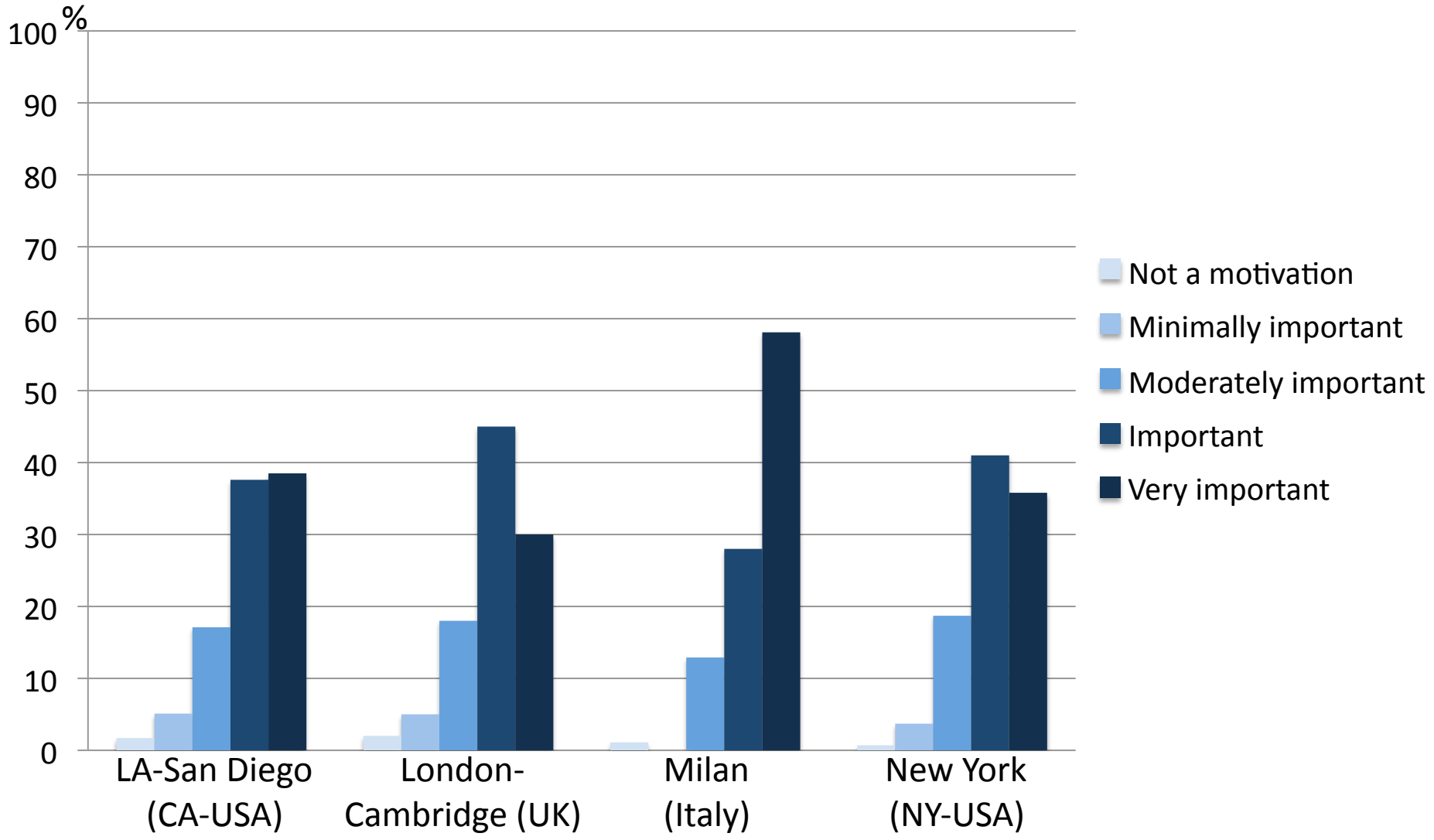


Fig. S20b

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 1.7 | 5.1 | 17.1 | 37.6 | 38.5 | 100 | |
| **London-Camb. (UK)** | 2 | 5 | 18 | 45 | 30 | 100 | 0-100% |
| **Milan (Italy)** | 1.1 | 0 | 12.9 | 28 | 58.1 | 100 | Basic Research |
| **NYC (NY-USA)** | 0.7 | 3.7 | 18.7 | 41 | 35.8 | 100 | |
| Total | 1.4 | 3.6 | 16.9 | 38.3 | 39.9 | 100 | |

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 2.5 | 7.6 | 20.3 | 38 | 31.6 | 100 | |
| **London-Camb. (UK)** | 3.5 | 8.8 | 19.3 | 49.1 | 19.3 | 100 | 81-100% |
| **Milan (Italy)** | 3.8 | 0 | 11.5 | 26.9 | 57.7 | 100 | Basic Research |
| **NYC (NY-USA)** | 1.2 | 5.9 | 23.5 | 42.4 | 27.1 | 100 | |
| Total | 2.4 | 6.5 | 20.2 | 40.9 | 30 | 100 | |

Fig. S20b

Your personal motivations as a scientist are from:
(c) Gain of prestige
Principal Investigators ordered by geographical location

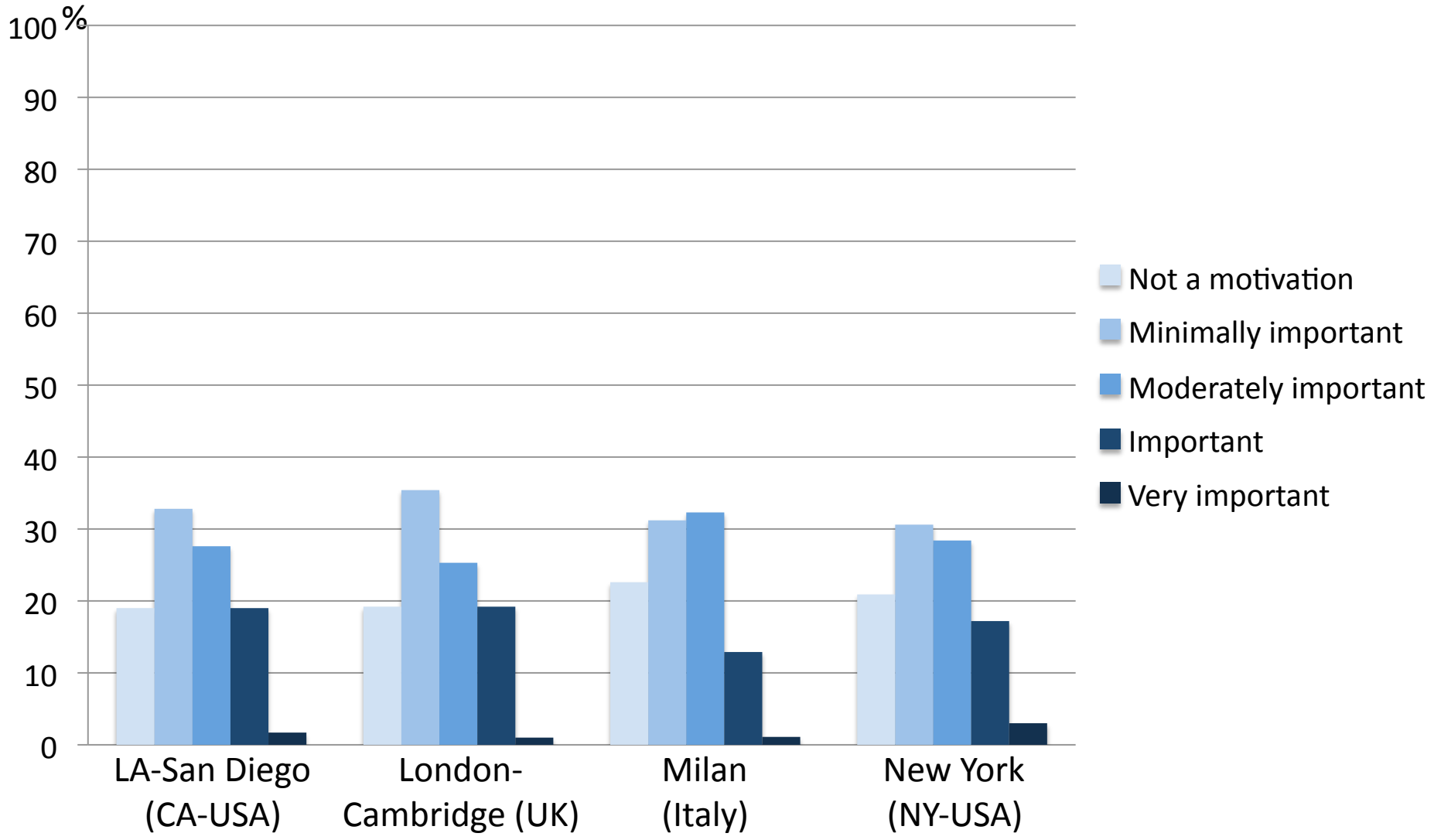


Fig. S20c

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 19 | 32.8 | 27.6 | 19 | 1.7 | 100 |
| **London-Camb. (UK)** | 19.2 | 35.4 | 25.3 | 19.2 | 1 | 100 |
| **Milan (Italy)** | 22.6 | 31.2 | 32.3 | 12.9 | 1.1 | 100 |
| **NYC (NY-USA)** | 20.9 | 30.6 | 28.4 | 17.2 | 3 | 100 |
| Total | 20.4 | 32.4 | 28.3 | 17.2 | 1.8 | 100 |

0-100%
Basic Research

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 19.2 | 29.5 | 29.5 | 19.2 | 2.6 | 100 |
| **London-Camb. (UK)** | 22.8 | 29.8 | 26.3 | 21.1 | 0 | 100 |
| **Milan (Italy)** | 19.2 | 38.5 | 30.8 | 11.5 | 0 | 100 |
| **NYC (NY-USA)** | 28.2 | 29.4 | 20 | 22.4 | 0 | 100 |
| Total | 23.2 | 30.5 | 25.6 | 19.9 | 0.8 | 100 |

81-100%
Basic Research

Fig. S20c

Your personal motivations as a scientist are from:
(d) Gain of money (for personal purposes)
Principal Investigators ordered by geographical location

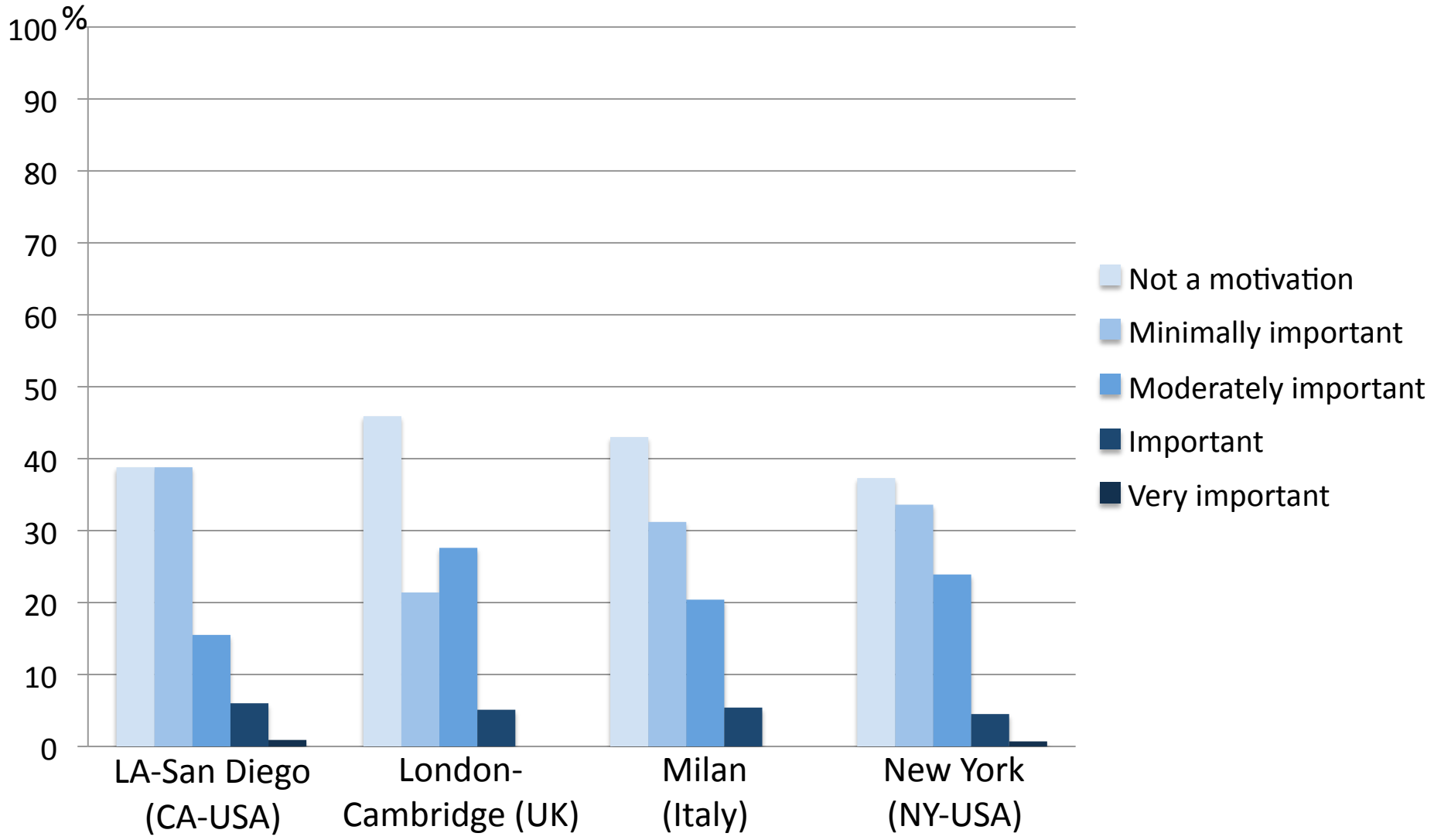


Fig. S20d

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Tota l | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 38.8 | 38.8 | 15.5 | 6 | 0.9 | 100 | |
| **London-Camb. (UK)** | 45.9 | 21.4 | 27.6 | 5.1 | 0 | 100 | |
| **Milan (Italy)** | 43 | 31.2 | 20.4 | 5.4 | 0 | 100 | 0-100% |
| **NYC (NY-USA)** | 37.3 | 33.6 | 23.9 | 4.5 | 0.7 | 100 | Basic Research |
| Total | 40.8 | 31.7 | 21.8 | 5.2 | 0.5 | 100 | |

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 38.5 | 39.7 | 16.7 | 3.8 | 1.3 | 100 | |
| **London-Camb. (UK)** | 45.6 | 24.6 | 28.1 | 1.8 | 0 | 100 | |
| **Milan (Italy)** | 46.2 | 34.6 | 15.4 | 3.8 | 0 | 100 | 81-100% |
| **NYC (NY-USA)** | 43.5 | 32.9 | 20 | 2.4 | 1.2 | 100 | Basic Research |
| Total | 42.7 | 33.3 | 20.3 | 2.8 | 0.8 | 100 | |

Fig. S20d

Your personal motivations as a scientist are from:
(e) Satisfaction of your curiosity
Principal Investigators ordered by geographical location

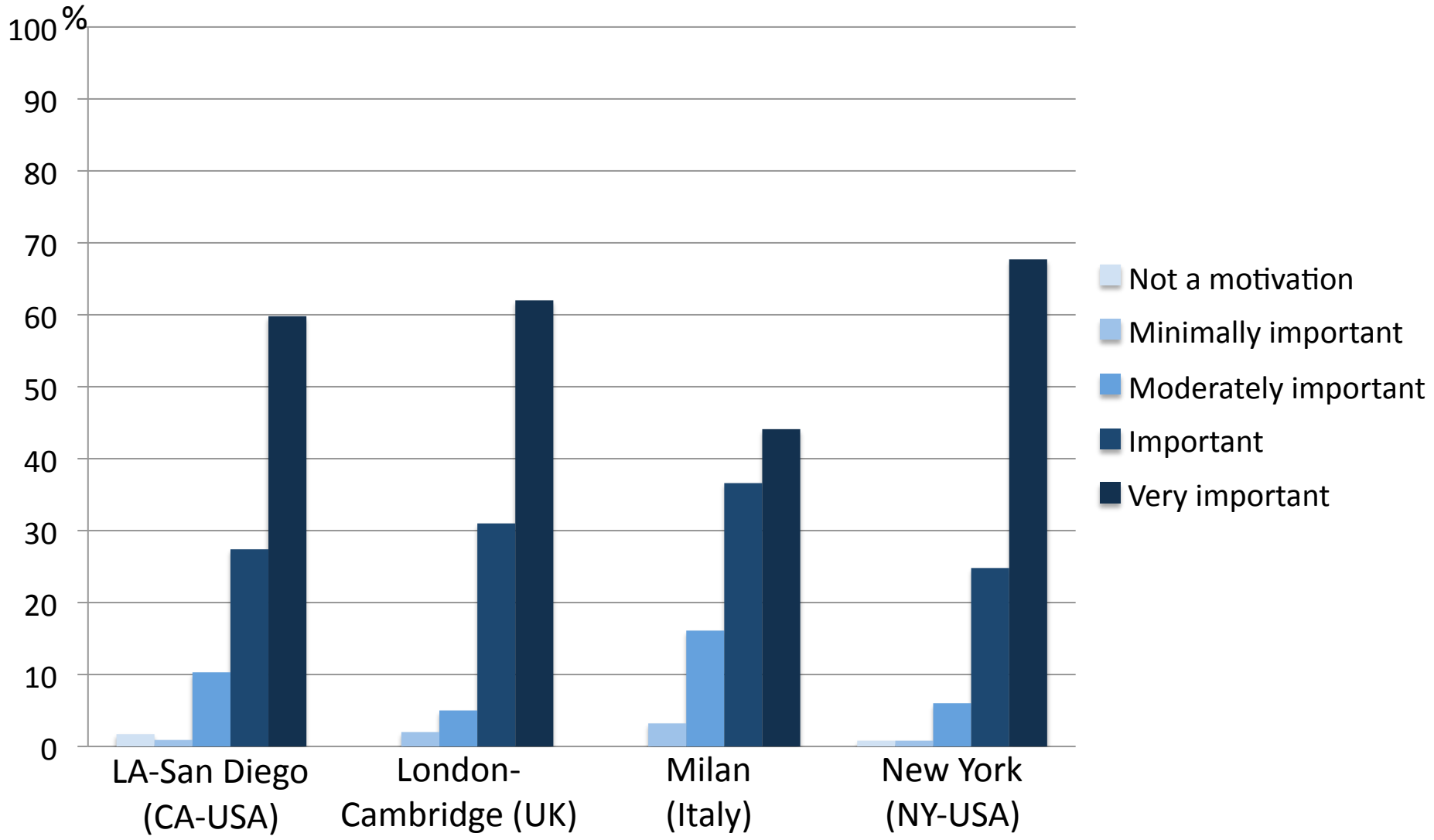


Fig. S20e

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 1.7 | 0.9 | 10.3 | 27.4 | 59.8 | 100 | 0-100% Basic Research |
| **London-Camb. (UK)** | 0 | 2 | 5 | 31 | 62 | 100 | |
| **Milan (Italy)** | 0 | 3.2 | 16.1 | 36.6 | 44.1 | 100 | |
| **NYC (NY-USA)** | 0.8 | 0.8 | 6 | 24.8 | 67.7 | 100 | |
| Total | 0.7 | 1.6 | 9 | 29.3 | 59.4 | 100 | |

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 2.5 | 0 | 7.6 | 26.6 | 63.3 | 100 | 81-100% Basic Research |
| **London-Camb. (UK)** | 0 | 1.8 | 0 | 29.8 | 68.4 | 100 | |
| **Milan (Italy)** | 0 | 7.7 | 11.5 | 26.9 | 53.8 | 100 | |
| **NYC (NY-USA)** | 1.2 | 0 | 5.9 | 21.2 | 71.8 | 100 | |
| Total | 1.2 | 1.2 | 5.7 | 25.5 | 66.4 | 100 | |

Fig. S20e

Your personal motivations as a scientist are from:
(f) Satisfaction from solving puzzling problems
Principal Investigators ordered by geographical location

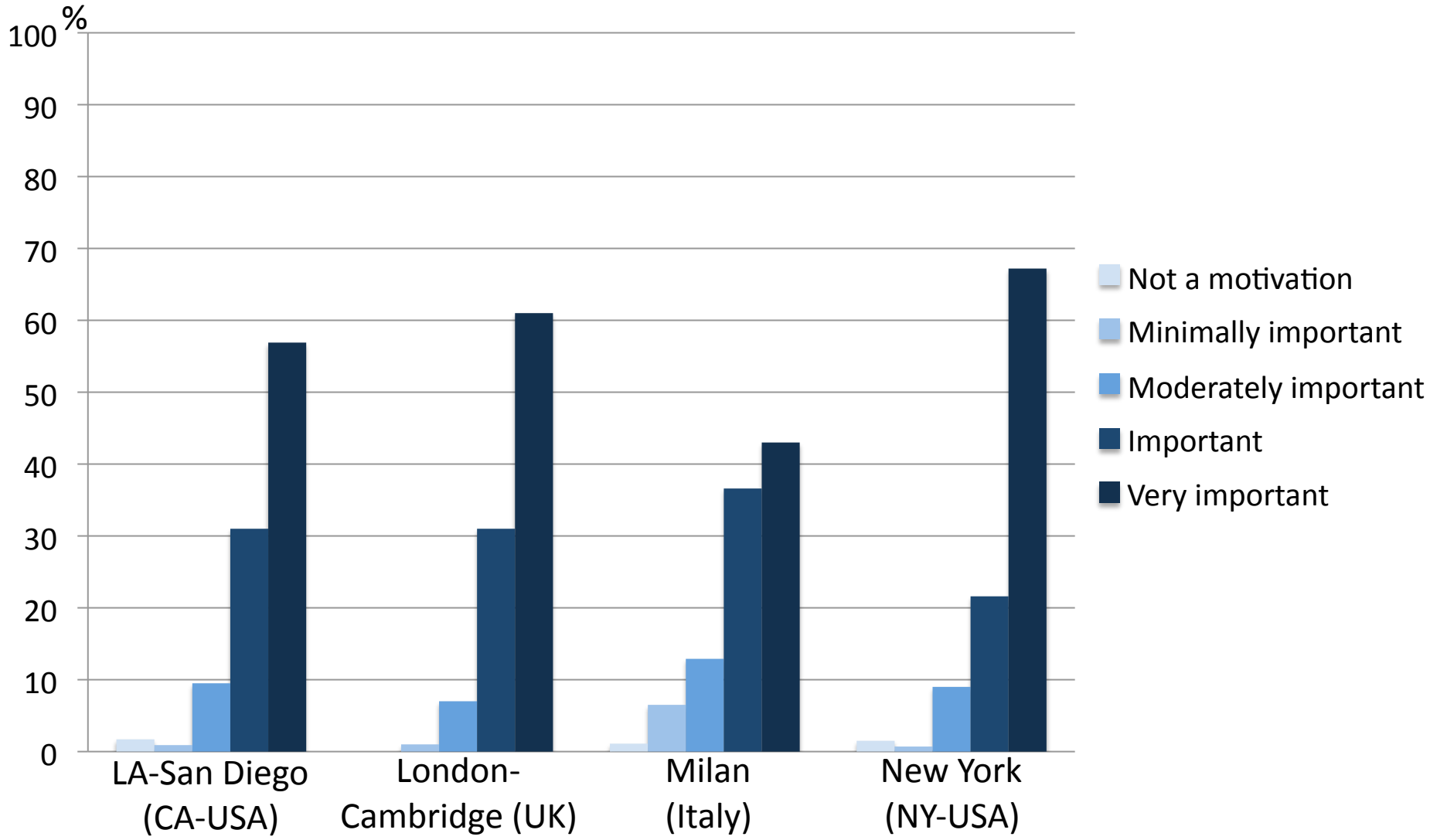


Fig. S20f

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 1.7 | 0.9 | 9.5 | 31 | 56.9 | 100 | 0-100% Basic Research |
| **London-Camb. (UK)** | 0 | 1 | 7 | 31 | 61 | 100 | |
| **Milan (Italy)** | 1.1 | 6.5 | 12.9 | 36.6 | 43 | 100 | |
| **NYC (NY-USA)** | 1.5 | 0.7 | 9 | 21.6 | 67.2 | 100 | |
| Total | 1.1 | 2 | 9.5 | 29.3 | 58 | 100 | |

| | Not a motivation | Minimally important | Moderately important | Important | Very important | Total | |
|---|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 1.3 | 0 | 9 | 28.2 | 61.5 | 100 | 81-100% Basic Research |
| **London-Camb. (UK)** | 0 | 1.8 | 1.8 | 35.1 | 61.4 | 100 | |
| **Milan (Italy)** | 0 | 0 | 26.9 | 19.2 | 53.8 | 100 | |
| **NYC (NY-USA)** | 1.2 | 0 | 8.2 | 21.2 | 69.4 | 100 | |
| Total | 0.8 | 0.4 | 8.9 | 26.4 | 63.4 | 100 | |

Fig. S20f

Basic scientists can ponder about the future indirect practical benefits of their research without losing their "basic status”
Principal Investigators ordered by geographical location

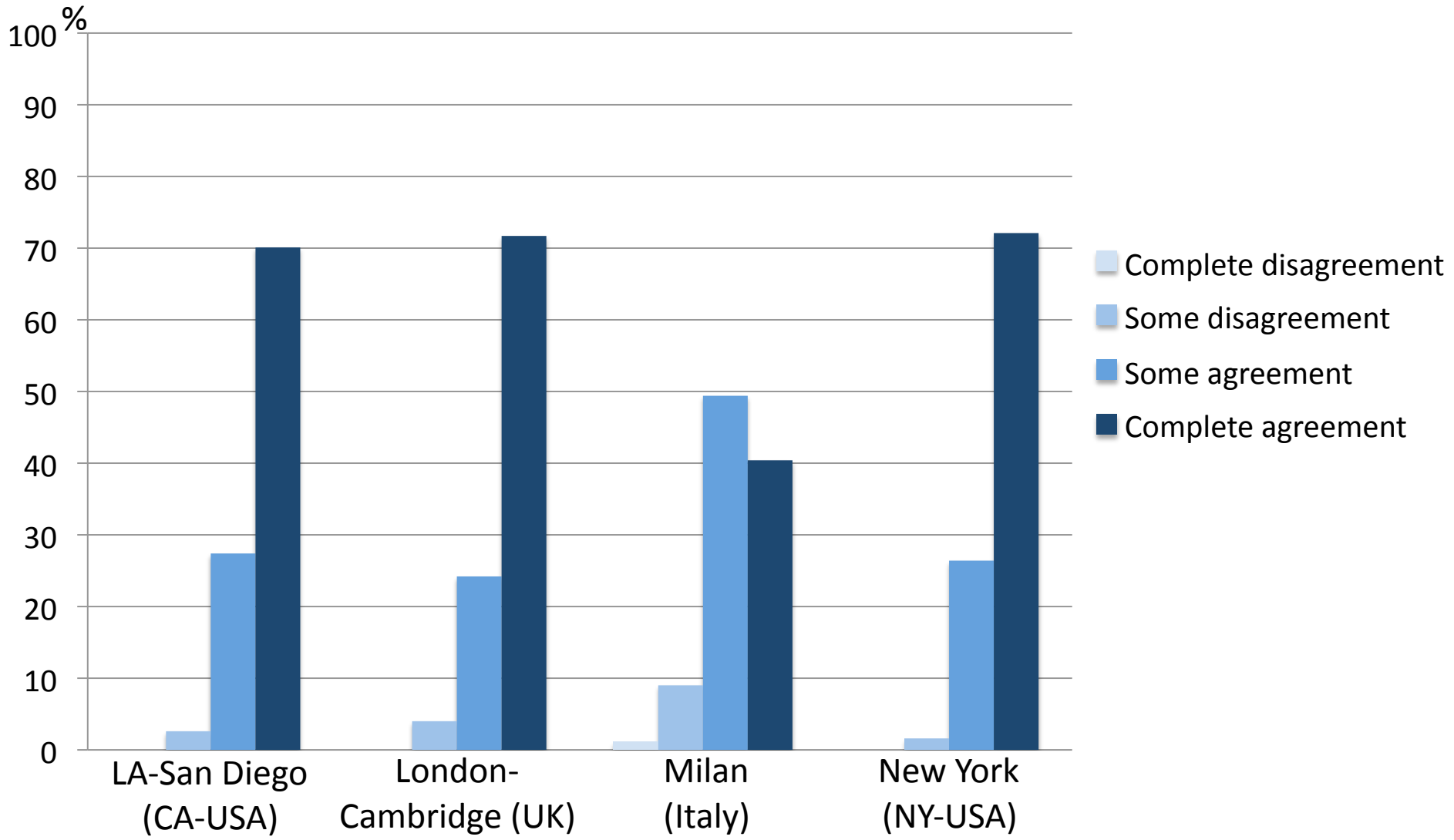


Fig. S21

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 0 | 2.6 | 27.4 | 70.1 | 100 | 0-100% Basic Research |
| **London-Camb. (UK)** | 0 | 4 | 24.2 | 71.7 | 100 | |
| **Milan (Italy)** | 1.1 | 9 | 49.4 | 40.4 | 100 | |
| **NYC (NY-USA)** | 0 | 1.6 | 26.4 | 72.1 | 100 | |
| Total | 0.2 | 3.9 | 30.9 | 65 | 100 | |

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 0 | 3.8 | 25.3 | 70.9 | 100 | 81-100% Basic Research |
| **London-Camb. (UK)** | 0 | 1.8 | 21.4 | 76.8 | 100 | |
| **Milan (Italy)** | 0 | 8 | 60 | 32 | 100 | |
| **NYC (NY-USA)** | 0 | 1.2 | 19.8 | 79 | 100 | |
| Total | 0 | 2.9 | 26.1 | 71 | 100 | |

Fig. S21

What should the most important goal of publicly funded basic BIOLOGICAL (not biomedical) research be?
Principal Investigators ordered by geographical location

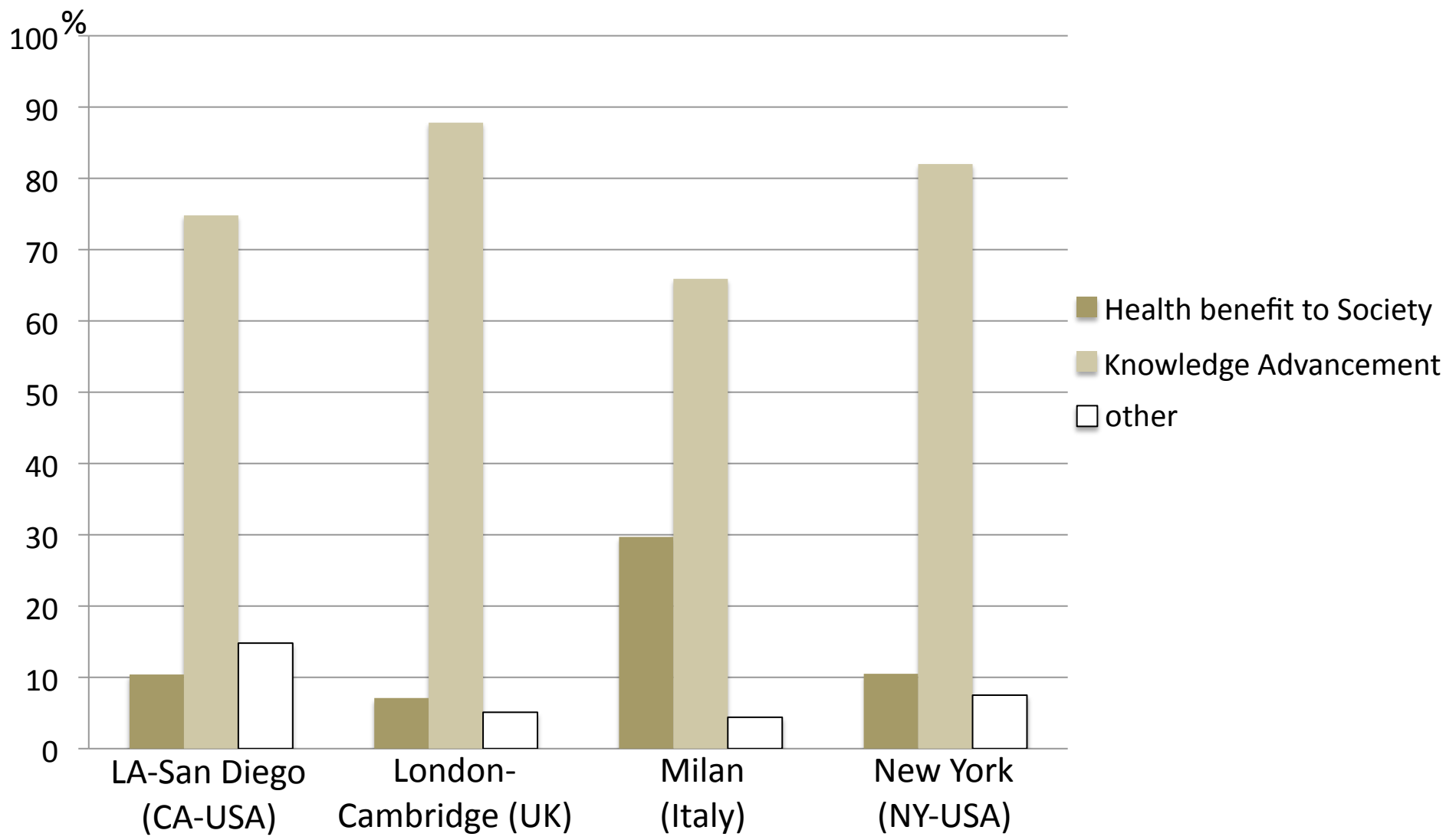


Fig. S22a

| | Health benefit to society (not necessarily in the near future) | Pure advancement of knowledge, regardless of future applicability | Other | Total | |
|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 10.4 | 74.8 | 14.8 | 100 | |
| **London-Camb. (UK)** | 7.1 | 87.8 | 5.1 | 100 | 0-100% |
| **Milan (Italy)** | 29.7 | 65.9 | 4.4 | 100 | Basic Research |
| **NYC (NY-USA)** | 10.5 | 82 | 7.5 | 100 | |
| Total | 13.7 | 78 | 8.2 | 100 | |

| | Health benefit to society (not necessarily in the near future) | Pure advancement of knowledge, regardless of future applicability | Other | Total | |
|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 10.3 | 74.4 | 15.4 | 100 | |
| **London-Camb. (UK)** | 3.6 | 92.9 | 3.6 | 100 | 81-100% |
| **Milan (Italy)** | 19.2 | 73.1 | 7.7 | 100 | Basic Research |
| **NYC (NY-USA)** | 8.2 | 83.5 | 8.2 | 100 | |
| Total | 9 | 81.6 | 9.4 | 100 | |

Fig. S22a

What should the most important goal of publicly funded basic BIOMEDICAL research be?
Principal Investigators ordered by geographical location

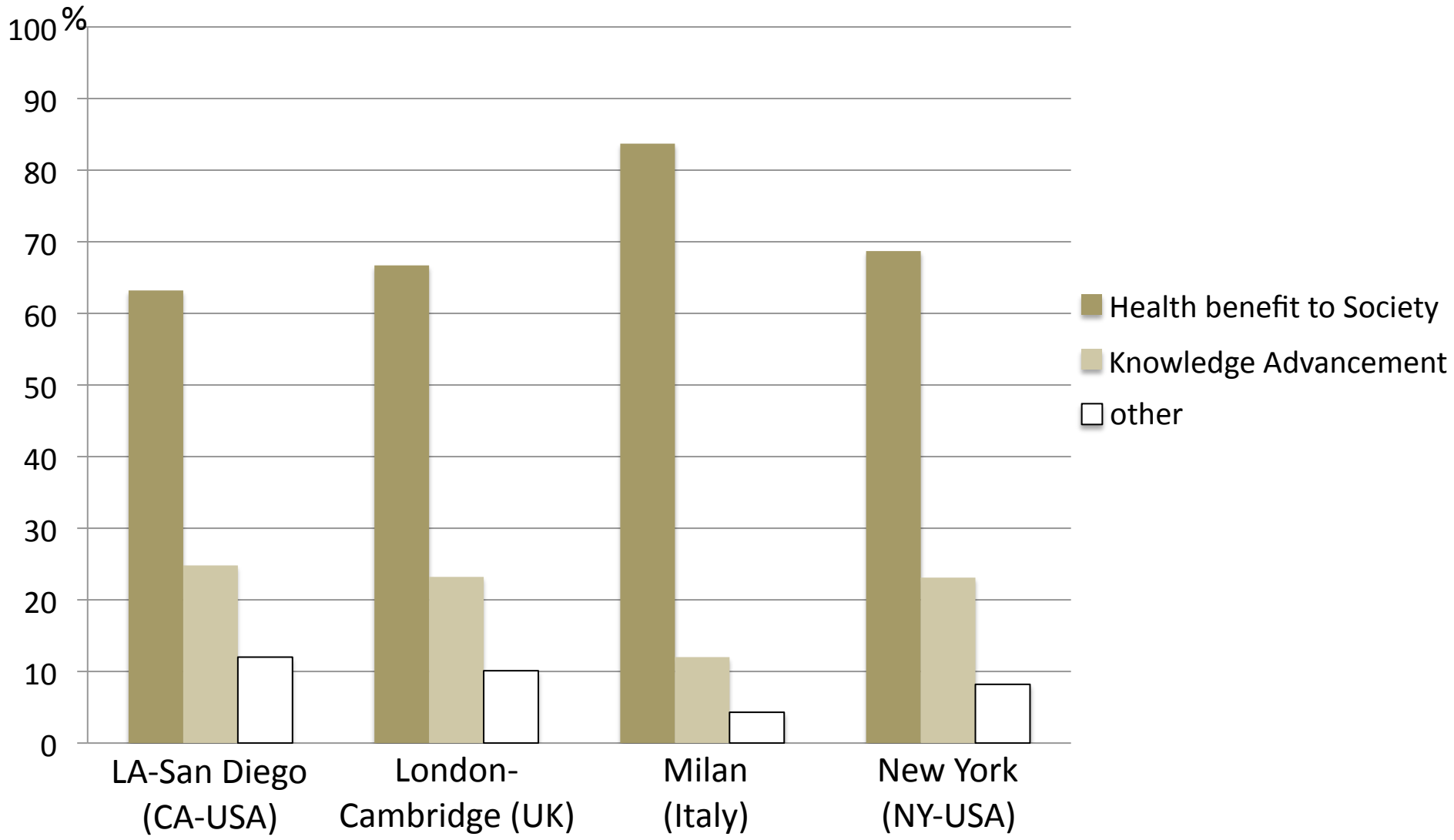


Fig. S22b

| | Health benefit to society (not necessarily in the near future) | Pure advancement of knowledge, regardless of future applicability | Other | Total | |
|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 63.2 | 24.8 | 12 | 100 | |
| **London-Camb. (UK)** | 66.7 | 23.2 | 10.1 | 100 | 0-100% |
| **Milan (Italy)** | 83.7 | 12 | 4.3 | 100 | Basic Research |
| **NYC (NY-USA)** | 68.7 | 23.1 | 8.2 | 100 | |
| Total | 69.9 | 21.3 | 8.8 | 100 | |

| | Health benefit to society (not necessarily in the near future) | Pure advancement of knowledge, regardless of future applicability | Other | Total | |
|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 55.7 | 30.4 | 13.9 | 100 | |
| **London-Camb. (UK)** | 55.4 | 32.1 | 12.5 | 100 | 81-100% |
| **Milan (Italy)** | 76.9 | 15.4 | 7.7 | 100 | Basic Research |
| **NYC (NY-USA)** | 62.4 | 30.6 | 7.1 | 100 | |
| Total | 60.2 | 29.3 | 10.6 | 100 | |

Fig. S22b

Although it is difficult to assess the potential future health benefits to society from basic biological/biomedical research as described in written proposals, some degree of estimation is always possible.
Principal Investigators ordered by geographical location

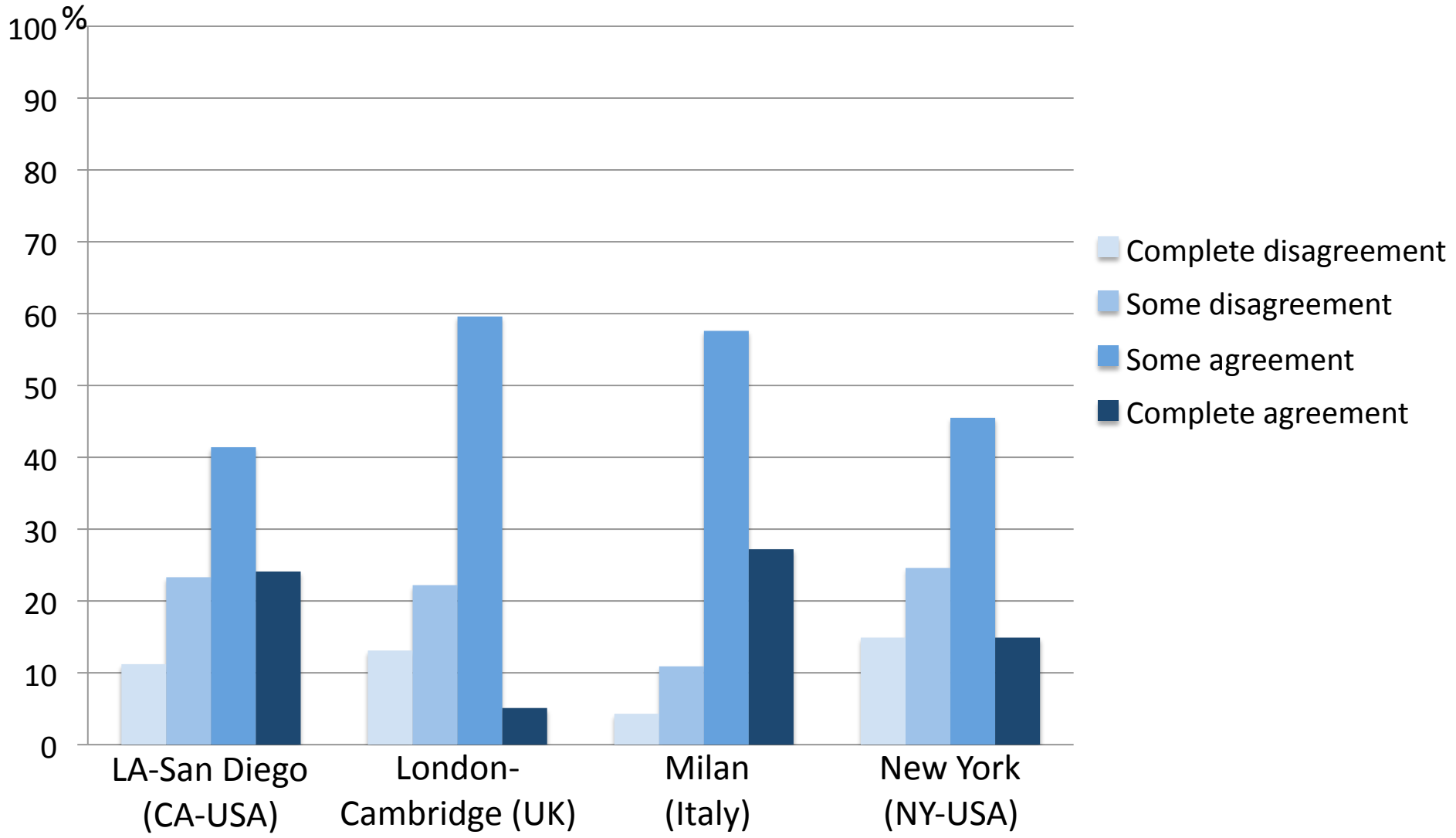


Fig. S23

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 11.2 | 23.3 | 41.4 | 24.1 | 100 | |
| **London-Camb. (UK)** | 13.1 | 22.2 | 59.6 | 5.1 | 100 | 0-100% |
| **Milan (Italy)** | 4.3 | 10.9 | 57.6 | 27.2 | 100 | Basic Research |
| **NYC (NY-USA)** | 14.9 | 24.6 | 45.5 | 14.9 | 100 | |
| Total | 11.3 | 20.9 | 50.1 | 17.7 | 100 | |

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 15.2 | 29.1 | 35.4 | 20.3 | 100 | |
| **London-Camb. (UK)** | 19.3 | 24.6 | 54.4 | 1.8 | 100 | 81-100% |
| **Milan (Italy)** | 7.7 | 7.7 | 65.4 | 19.2 | 100 | Basic Research |
| **NYC (NY-USA)** | 14.1 | 23.5 | 49.4 | 12.9 | 100 | |
| Total | 15 | 23.9 | 47.8 | 13.4 | 100 | |

Fig. S23

Written proposals about basic biological/biomedical research generally contain a section discussing potential future health benefits. These sections increase the likelihood that a project benefits future public health.
Principal Investigators ordered by geographical location

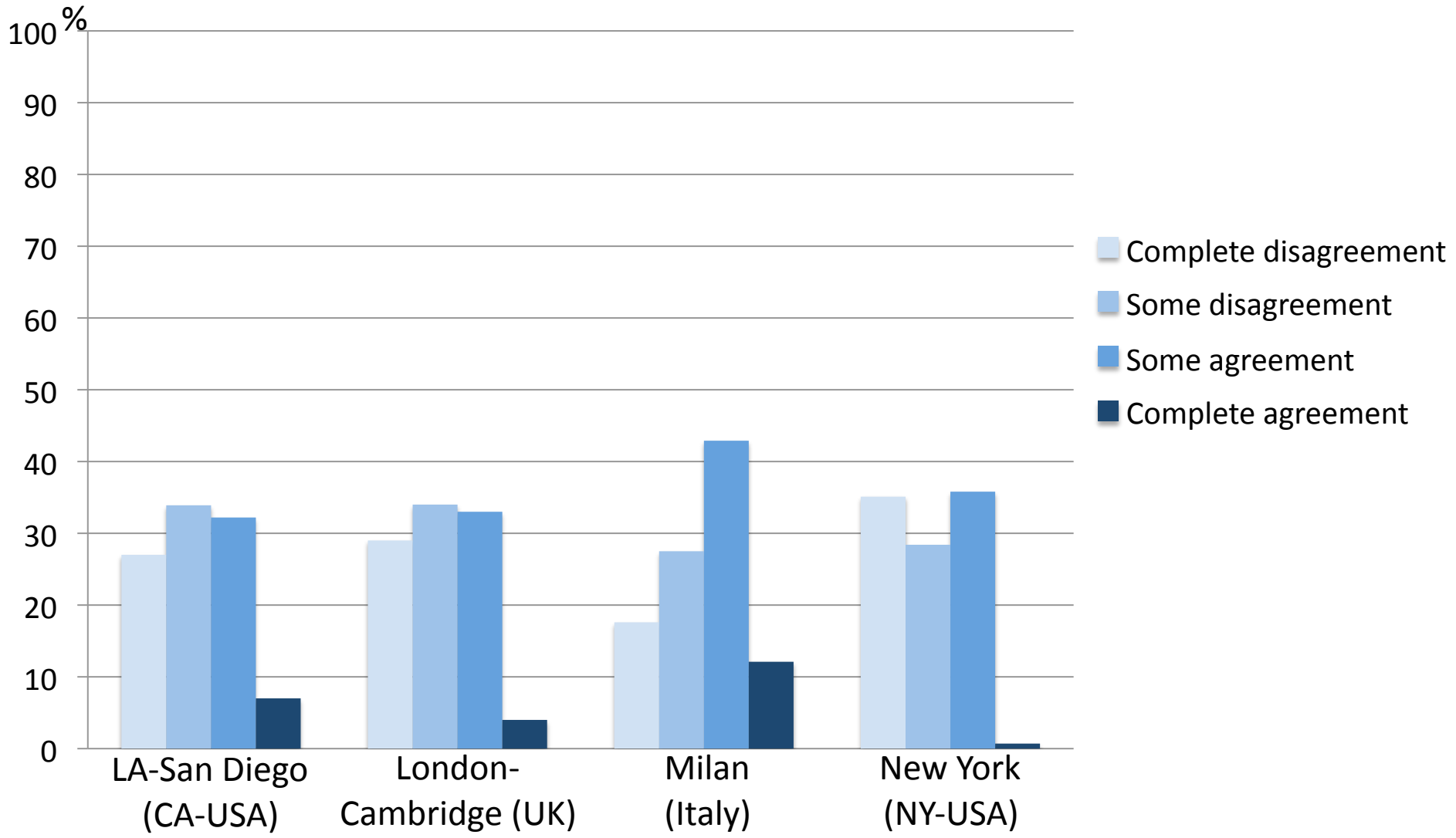


Fig. S24

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 27 | 33.9 | 32.2 | 7 | 100 | |
| **London-Camb. (UK)** | 29 | 34 | 33 | 4 | 100 | 0-100% |
| **Milan (Italy)** | 17.6 | 27.5 | 42.9 | 12.1 | 100 | Basic Research |
| **NYC (NY-USA)** | 35.1 | 28.4 | 35.8 | 0.7 | 100 | |
| Total | 28 | 30.9 | 35.7 | 5.5 | 100 | |

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 32.9 | 34.2 | 25.3 | 7.6 | 100 | |
| **London-Camb. (UK)** | 31.6 | 38.6 | 28.1 | 1.8 | 100 | 81-100% |
| **Milan (Italy)** | 23.1 | 34.6 | 34.6 | 7.7 | 100 | Basic Research |
| **NYC (NY-USA)** | 37.6 | 32.9 | 29.4 | 0 | 100 | |
| Total | 33.2 | 34.8 | 28.3 | 3.6 | 100 | |

Fig. S24

Writing the sections discussing potential future health benefits takes too much time.
Principal Investigators ordered by geographical location

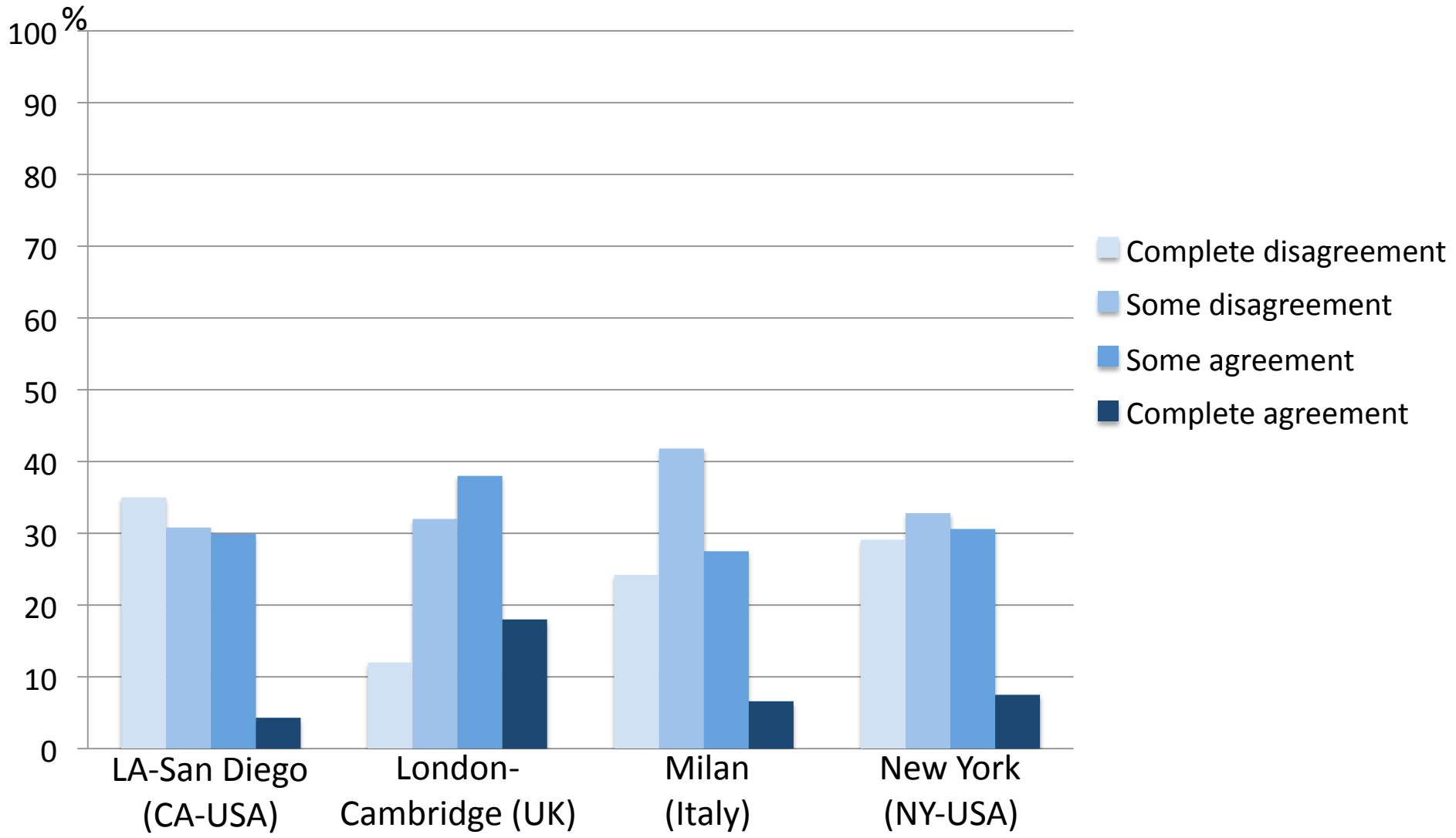


Fig. S25a

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 35 | 30.8 | 29.9 | 4.3 | 100 | |
| **London-Camb. (UK)** | 12 | 32 | 38 | 18 | 100 | 0-100% |
| **Milan (Italy)** | 24.2 | 41.8 | 27.5 | 6.6 | 100 | Basic Research |
| **NYC (NY-USA)** | 29.1 | 32.8 | 30.6 | 7.5 | 100 | |
| Total | 25.8 | 33.9 | 31.4 | 8.8 | 100 | |

| | Complete disagreement | Some disagreement | Some agreement | Complete agreement | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 27.8 | 36.7 | 32.9 | 2.5 | 100 | |
| **London-Camb. (UK)** | 8.8 | 22.8 | 43.9 | 24.6 | 100 | 81-100% |
| **Milan (Italy)** | 8 | 44 | 40 | 8 | 100 | Basic Research |
| **NYC (NY-USA)** | 27.1 | 27.1 | 38.8 | 7.1 | 100 | |
| Total | 21.1 | 30.9 | 38.2 | 9.8 | 100 | |

Fig. S25a

The sections discussing potential future health benefits should be eliminated for ..... grants.
Principal Investigators ordered by geographical location

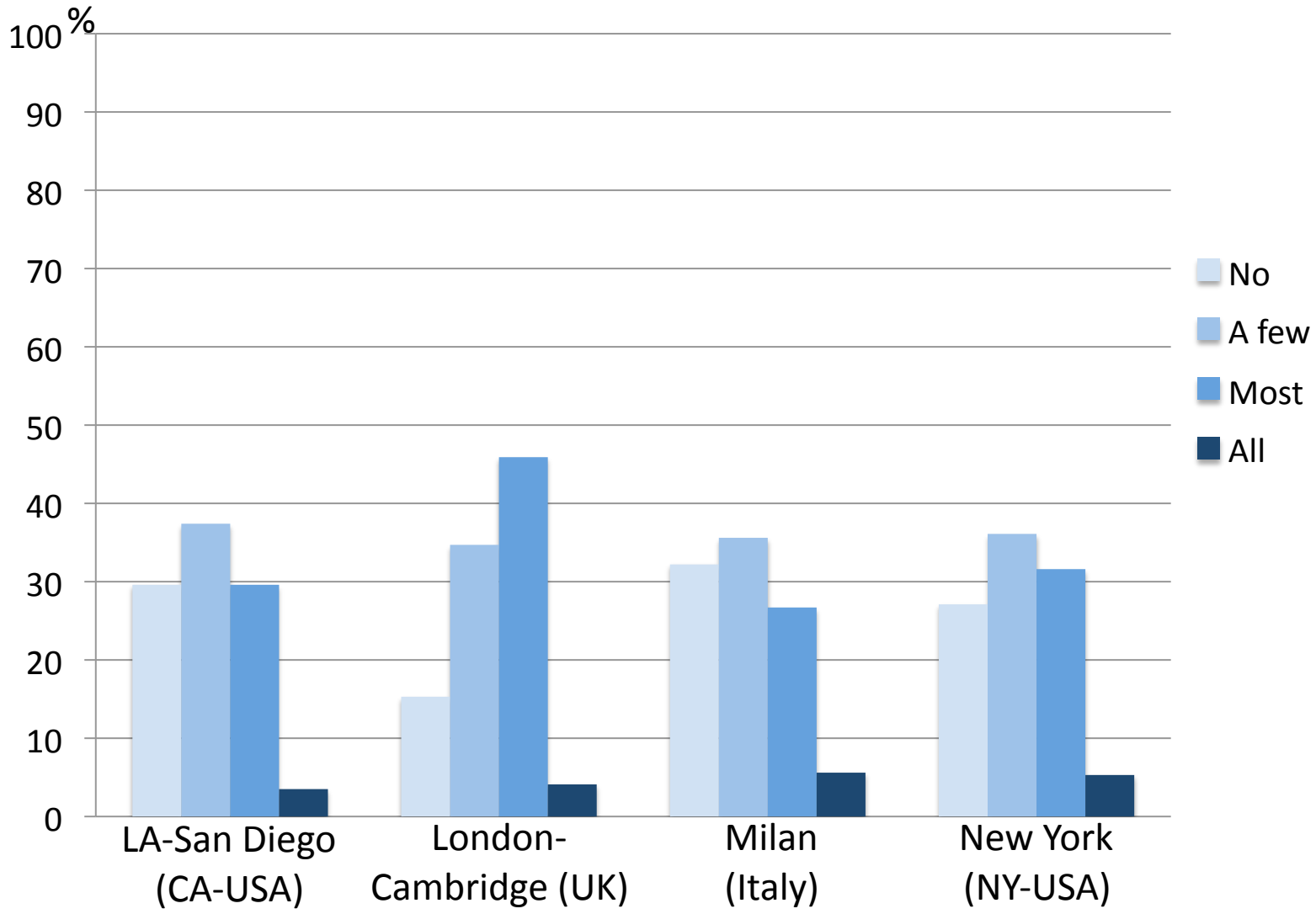


Fig. S25b

| | ...no... | ...a few... | ...most... | ...all... | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 29.6 | 37.4 | 29.6 | 3.5 | 100 | |
| **London-Camb. (UK)** | 15.3 | 34.7 | 45.9 | 4.1 | 100 | 0-100% |
| **Milan (Italy)** | 32.2 | 35.6 | 26.7 | 5.6 | 100 | Basic Research |
| **NYC (NY-USA)** | 27.1 | 36.1 | 31.6 | 5.3 | 100 | |
| Total | 26.1 | 36 | 33.3 | 4.6 | 100 | |

| | ...no... | ...a few... | ...most... | ...all... | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 26.9 | 35.9 | 33.3 | 3.8 | 100 | |
| **London-Camb. (UK)** | 10.7 | 33.9 | 48.2 | 7.1 | 100 | 81-100% |
| **Milan (Italy)** | 19.2 | 26.9 | 50 | 3.8 | 100 | Basic Research |
| **NYC (NY-USA)** | 22.4 | 34.1 | 35.3 | 8.2 | 100 | |
| Total | 20.8 | 33.9 | 39.2 | 6.1 | 100 | |

Fig. S25b

A. Favorability for “Locate more basic research laboratories inside or in close proximity of hospitals”
Principal Investigators ordered by geographical location

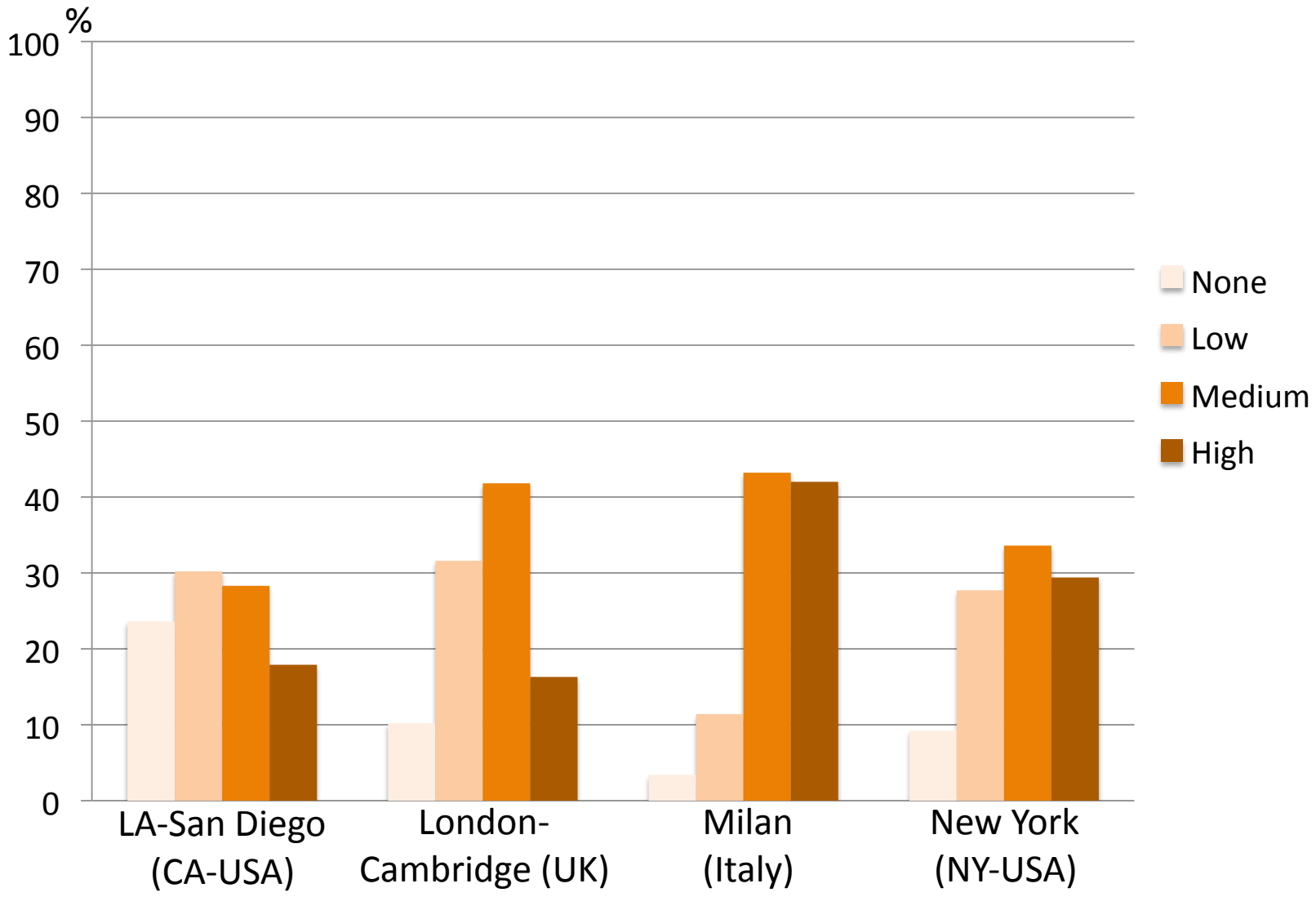


Fig. S26a

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 23.6 | 30.2 | 28.3 | 17.9 | 100 | |
| **London-Camb. (UK)** | 10.2 | 31.6 | 41.8 | 16.3 | 100 | 0-100% |
| **Milan (Italy)** | 3.4 | 11.4 | 43.2 | 42 | 100 | Basic Research |
| **NYC (NY-USA)** | 9.2 | 27.7 | 33.6 | 29.4 | 100 | |
| Total | 11.9 | 25.8 | 36.3 | 26 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 28.6 | 32.9 | 25.7 | 12.9 | 100 | |
| **London-Camb. (UK)** | 14.5 | 40 | 38.2 | 7.3 | 100 | 81-100% |
| **Milan (Italy)** | 4.2 | 16.7 | 54.2 | 25 | 100 | Basic Research |
| **NYC (NY-USA)** | 9.3 | 30.7 | 32 | 28 | 100 | |
| Total | 16.1 | 32.1 | 33.9 | 17.9 | 100 | |

Fig. S26a

B. Favorability for “Organize more educational and discussion meetings between scientists and the general public or patient associations. Acknowledge participating scientists during grant assignments, promotion, hiring etc.”
Principal Investigators ordered by geographical location

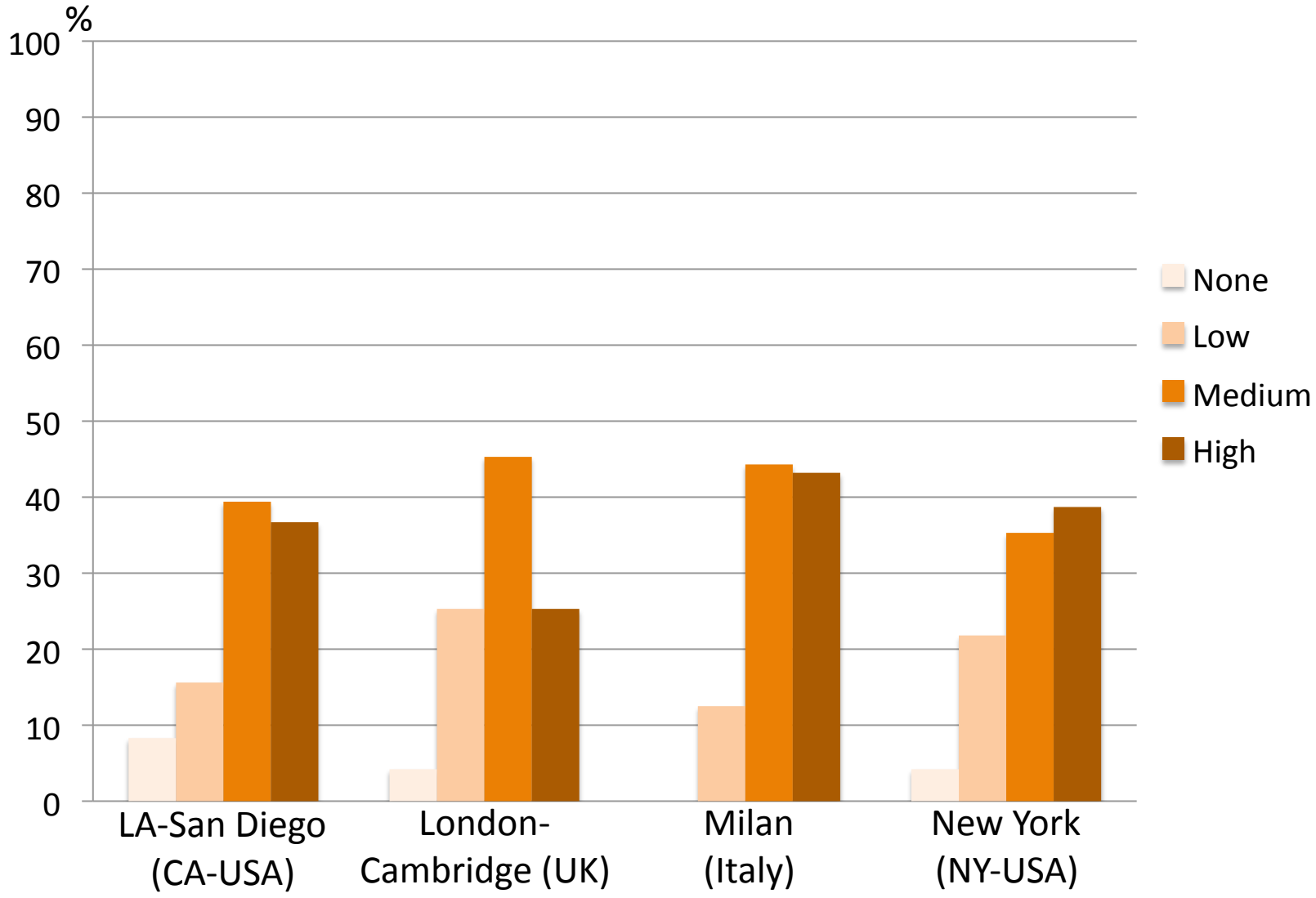


Fig. S26b

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 8.3 | 15.6 | 39.4 | 36.7 | 100 | |
| **London-Camb. (UK)** | 4.2 | 25.3 | 45.3 | 25.3 | 100 | 0-100% |
| **Milan (Italy)** | 0 | 12.5 | 44.3 | 43.2 | 100 | Basic Research |
| **NYC (NY-USA)** | 4.2 | 21.8 | 35.3 | 38.7 | 100 | |
| Total | 4.4 | 19 | 40.6 | 36 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 6.9 | 15.3 | 38.9 | 38.9 | 100 | |
| **London-Camb. (UK)** | 1.8 | 30.9 | 47.3 | 20 | 100 | 81-100% |
| **Milan (Italy)** | 0 | 20 | 52 | 28 | 100 | Basic Research |
| **NYC (NY-USA)** | 5.3 | 21.3 | 32 | 41.3 | 100 | |
| Total | 4.4 | 21.6 | 40.1 | 33.9 | 100 | |

Fig. S26b

C. Favorability for “Promote more seminars and academic discussion concerning the purpose of scientific research and the role of scientists in the society. Acknowledge participating scientists during grant assignments, promotion, hiring etc.”
Principal Investigators ordered by geographical location

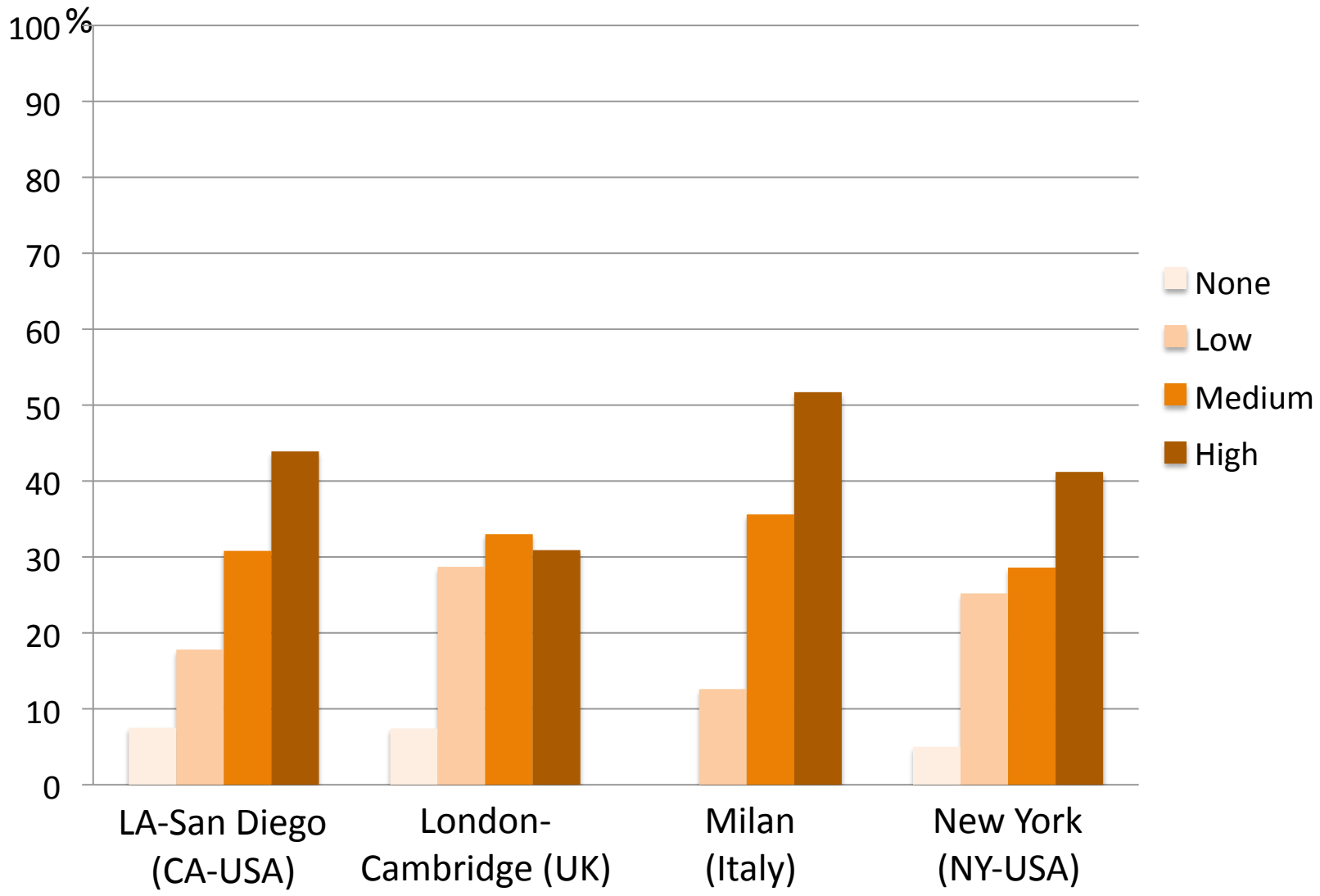


Fig. S26c

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 7.5 | 17.8 | 30.8 | 43.9 | 100 | |
| **London-Camb. (UK)** | 7.4 | 28.7 | 33 | 30.9 | 100 | 0-100% |
| **Milan (Italy)** | 0 | 12.6 | 35.6 | 51.7 | 100 | Basic Research |
| **NYC (NY-USA)** | 5 | 25.2 | 28.6 | 41.2 | 100 | |
| Total | 5.2 | 21.4 | 31.7 | 41.8 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 7 | 21.1 | 32.4 | 39.4 | 100 | |
| **London-Camb. (UK)** | 5.5 | 23.6 | 41.8 | 29.1 | 100 | 81-100% |
| **Milan (Italy)** | 0 | 12.5 | 50 | 37.5 | 100 | Basic Research |
| **NYC (NY-USA)** | 6.7 | 24 | 29.3 | 40 | 100 | |
| Total | 5.8 | 21.8 | 35.6 | 36.9 | 100 | |

Fig. S26c

D. Favorability for “Promote more seminars and academic discussion about the concept and definition of basic research. Acknowledge participating scientists during grant assignments, promotion, hiring etc.” (For example, should basic research be conceptualized as purely curiosity-driven, or could basic scientists also consider future indirect practical benefits of their research?) - Principal Investigators ordered by geographical location

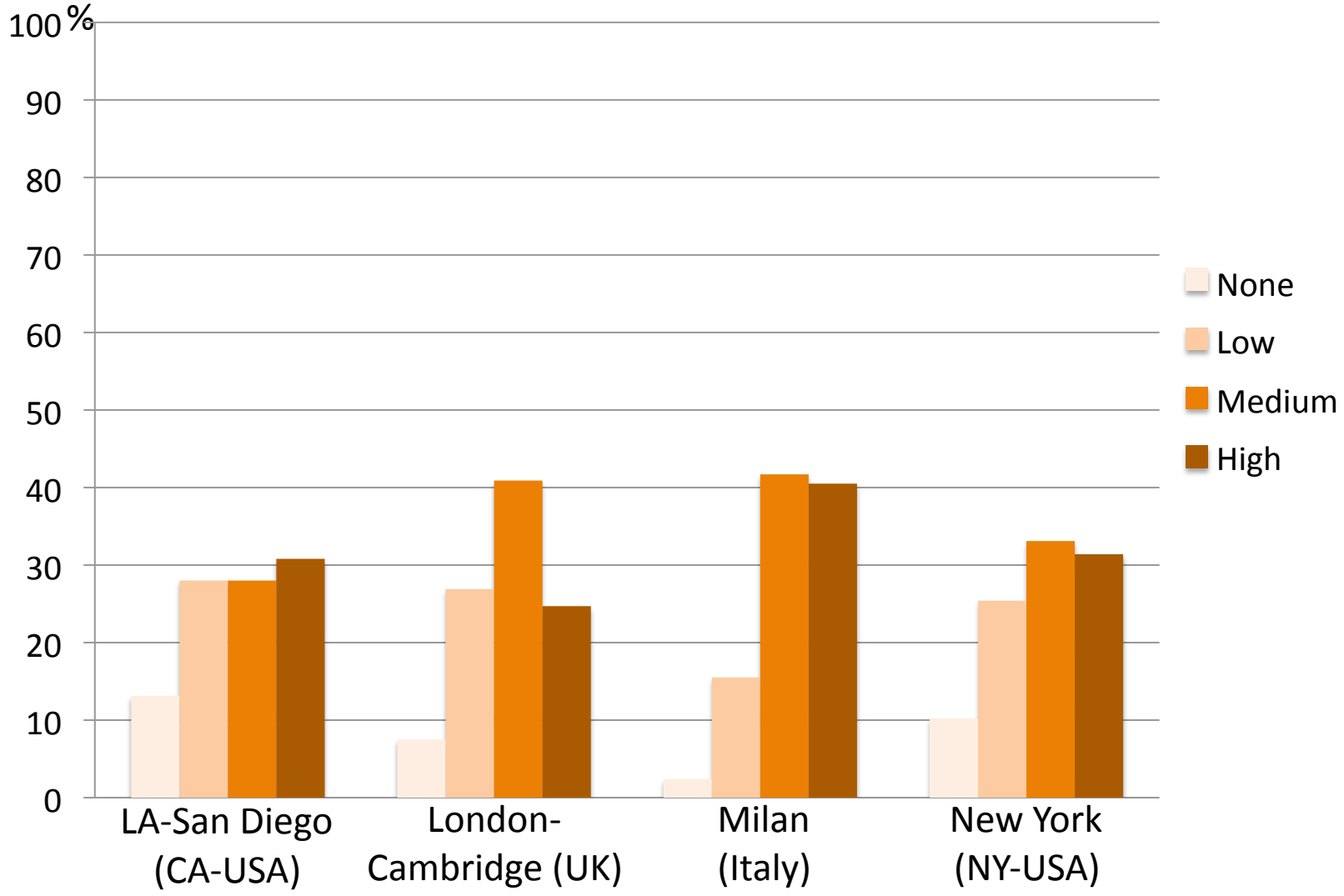


Fig. S26d

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 13.1 | 28 | 28 | 30.8 | 100 | |
| **London-Camb. (UK)** | 7.5 | 26.9 | 40.9 | 24.7 | 100 | 0-100% |
| **Milan (Italy)** | 2.4 | 15.5 | 41.7 | 40.5 | 100 | Basic Research |
| **NYC (NY-USA)** | 10.2 | 25.4 | 33.1 | 31.4 | 100 | |
| Total | 8.7 | 24.4 | 35.3 | 31.6 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 12.7 | 31 | 29.6 | 26.8 | 100 | |
| **London-Camb. (UK)** | 3.7 | 25.9 | 44.4 | 25.9 | 100 | |
| **Milan (Italy)** | 4.3 | 30.4 | 39.1 | 26.1 | 100 | 81-100% |
| **NYC (NY-USA)** | 5.4 | 25.7 | 32.4 | 36.5 | 100 | Basic Research |
| Total | 7.2 | 27.9 | 35.1 | 29.7 | 100 | |

Fig. S26d

E. Favorability for “Have ethics consultation services for scientists inside research institutes, with easily accessible information about these services”
Principal Investigators ordered by geographical location

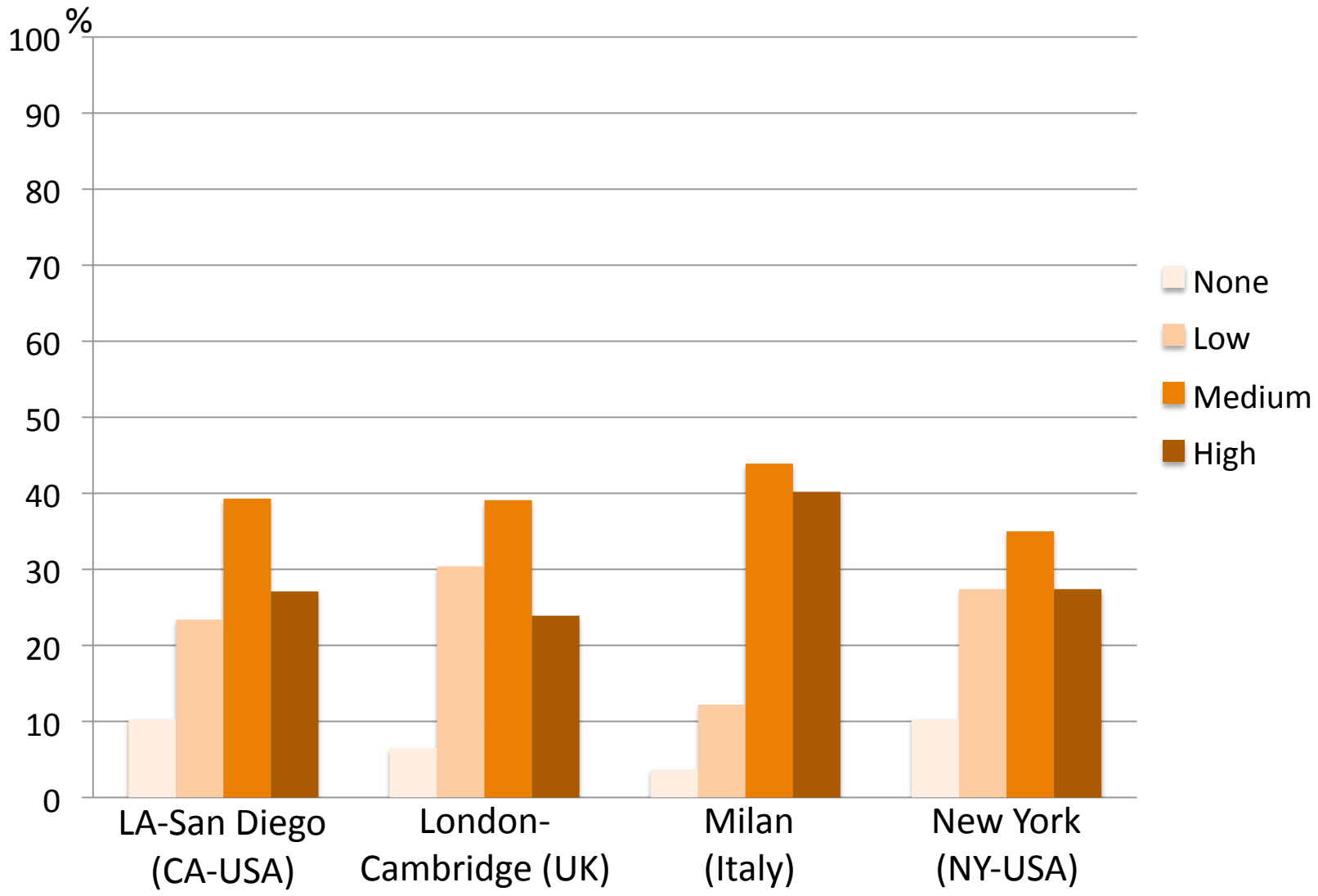


Fig. S26e

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 10.3 | 23.4 | 39.3 | 27.1 | 100 | |
| **London-Camb. (UK)** | 6.5 | 30.4 | 39.1 | 23.9 | 100 | 0-100% |
| **Milan (Italy)** | 3.7 | 12.2 | 43.9 | 40.2 | 100 | Basic Research |
| **NYC (NY-USA)** | 10.3 | 27.4 | 35 | 27.4 | 100 | |
| Total | 8 | 23.9 | 38.9 | 29.1 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 11.4 | 24.3 | 37.1 | 27.1 | 100 | |
| **London-Camb. (UK)** | 5.6 | 37 | 37 | 20.4 | 100 | |
| **Milan (Italy)** | 5 | 5 | 70 | 20 | 100 | 81-100% |
| **NYC (NY-USA)** | 9.6 | 27.4 | 39.7 | 23.3 | 100 | Basic Research |
| Total | 8.8 | 26.7 | 41 | 23.5 | 100 | |

Fig. S26e

F. Favorability for “Provide recognition to basic scientists who have contributed to acquiring key knowledge that leads to tangible health benefits by requiring a "basic bibliography" of seminal basic research articles for each new drug or other biological application”
Principal Investigators ordered by geographical location

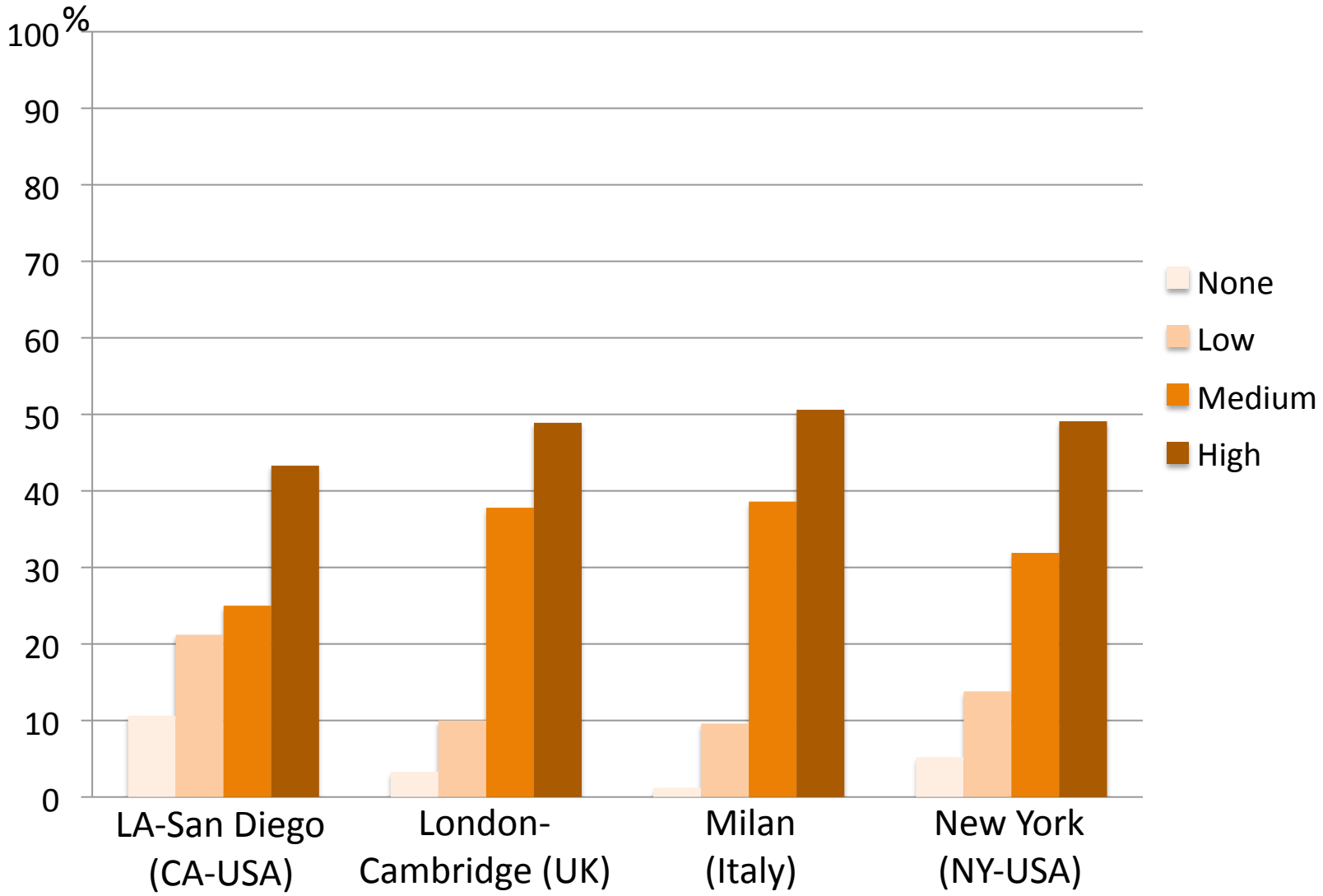


Fig. S26f

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 10.6 | 21.2 | 25 | 43.3 | 100 | |
| **London-Camb. (UK)** | 3.3 | 10 | 37.8 | 48.9 | 100 | 0-100% |
| **Milan (Italy)** | 1.2 | 9.6 | 38.6 | 50.6 | 100 | Basic Research |
| **NYC (NY-USA)** | 5.2 | 13.8 | 31.9 | 49.1 | 100 | |
| Total | 5.3 | 14 | 32.8 | 47.8 | 100 | |

| | None | Low | Medium | High | Total | |
|---|---|---|---|---|---|---|
| **LA-SD (CA-USA)** | 8.8 | 17.6 | 29.4 | 44.1 | 100 | |
| **London-Camb. (UK)** | 3.8 | 9.6 | 32.7 | 53.8 | 100 | |
| **Milan (Italy)** | 0 | 8.7 | 52.2 | 39.1 | 100 | 81-100% |
| **NYC (NY-USA)** | 2.8 | 16.7 | 30.6 | 50 | 100 | Basic Research |
| Total | 4.7 | 14.4 | 33 | 47.9 | 100 | |

Fig. S26f