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11

12 UNITED STATES DISTRICT COURT  
13 NORTHERN DISTRICT OF CALIFORNIA  
14

15 JEANNE E. CALDWELL,  
16 Plaintiff,

17 v.

18 ROY L. CALDWELL, Ph.D., in his official  
capacity as Director of the University of  
19 California Museum of Paleontology; DAVID  
LINDBERG, in his official capacity as Chair  
20 of the Integrative Biology Department of the  
University of California-Berkeley; and  
21 MICHAEL D. PIBURN, in his official  
capacity as Program Director for the National  
22 Science Foundation,  
23 Defendants.

Case No. C05-04166

**MEMORANDUM OF POINTS AND  
AUTHORITIES IN SUPPORT OF  
DEFENDANTS ROY L. CALDWELL,  
Ph.D. AND DAVID LINDBERG'S  
MOTION TO DISMISS**

Date: January 25, 2006  
Time: 9:00 a.m.  
Judge: Hon. Phyllis J. Hamilton

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1 **I. INTRODUCTION**

2 In helping the University of California to fulfill its mission as one of the preeminent  
3 educational institutions in the country, UC Berkeley’s Museum of Paleontology (“the Museum”)  
4 is at the forefront of efforts to promulgate web-based resources for teaching science. These  
5 efforts have resulted in an innovative, award-winning network of web pages providing resources  
6 for science teachers from kindergarten through the twelfth grade. This lawsuit addresses one of  
7 the Museum’s websites, “Understanding Evolution (“UE”). The UE site is a comprehensive on-  
8 line resource, developed to meet the needs of K-12 teachers in teaching their students all aspects  
9 of evolution. It includes extensive interactive materials, lesson plans, quizzes, and links to  
10 additional web-based resources. The sheer volume of information is impressive: over 800 pages  
11 addressing topics as varied as the nature of science, the history of evolutionary thought, and  
12 medical science and evolution. The site also furnishes teachers with practical guidance on a  
13 range of issues, including how to deal with misconceptions about evolution in the classroom, and  
14 how to deal with roadblocks such as the teacher’s lack of adequate background knowledge, or  
15 student discomfort with the topic of evolution.

16 In this lawsuit, plaintiff Jeanne E. Caldwell takes aim at a handful of pages on the UE site  
17 which refer to religion, and specifically the misconception that religion and evolutionary theory  
18 are incompatible with each other. Despite the obviously secular context and purpose of these  
19 pages, plaintiff contends they are part of a scheme by defendants to “proselytize” students and  
20 modify their religious beliefs in violation of the First Amendment’s Establishment Clause. In  
21 launching this attack, plaintiff misconstrues and distorts the UE website’s limited, straightforward  
22 discussion of religion and its role in teaching evolution. Her claims disregard jurisdictional  
23 standing requirements and ignore settled Establishment Clause jurisprudence. They should be  
24 dismissed at the outset.

25 Plaintiff’s claims fail initially because she has no standing to challenge the  
26 Constitutionality of the UE website. Plaintiff has not been injured as a taxpayer or otherwise.  
27 While the UE site was developed with the use of federal funds, any impact on plaintiff’s own  
28 interest as a federal taxpayer is far too minute and speculative to confer standing. The same is

1 true with regard to plaintiff's status as a California taxpayer. Indeed, plaintiff has failed to  
2 specify *any* amount of California tax revenues used in developing the challenged references to  
3 religion in the website. Nor is it enough that plaintiff claims to feel "offended" by alleged  
4 violations of the Constitution when she has used the site. The Supreme Court long ago settled  
5 this point, ruling that a citizen's concern over a perceived violation of the Constitution is not the  
6 sort of individualized injury required to confer standing. Plaintiff has failed to allege any such  
7 individualized injury as a taxpayer or otherwise. Her case must be dismissed for this reason  
8 alone.

9       Even if this court were to reach the merits of plaintiff's Establishment Clause challenge,  
10 the outcome would be no different. Under *Lemon v. Kurtzman*, 403 U.S. 602, 614 (1971),  
11 plaintiff must show that the purpose or effect of the Museum's website is to advance or endorse  
12 religion. Here, the relevant inquiry is whether the site's references to religion, viewed in context,  
13 would lead an objective observer to conclude the government's purpose is primarily religious.  
14 The relevant context here is evident from any perusal of the Museum's website in general, and the  
15 UE site in particular. The hundreds of web pages that comprise these sites deal explicitly,  
16 consistently, and thoroughly with science education, and, in particular, education concerning the  
17 science of evolutionary biology. There is no religious agenda or purpose evident here, much less  
18 the "predominant" religious purpose which plaintiff must demonstrate in order to establish a  
19 Constitutional violation.

20       It is settled law in this Circuit that the government may support teaching about evolution  
21 without violating the Establishment Clause. "Evolutionism" is not a religion. Defendants have  
22 done this and nothing more: they have developed an invaluable resource for science teachers who  
23 are striving to furnish effective science education to children throughout the country. Plaintiff's  
24 Establishment Clause challenge is wholly without merit, and should be dismissed.

25 **II. PLAINTIFF'S COMPLAINT**

26 **A. The Berkeley Museum of Paleontology and Its Website**

27       Plaintiff's complaint focuses on the Understanding Evolution ("UE") section of a much  
28 larger website maintained by the UC Berkeley Museum of Paleontology ("Museum"). "The

1 mission of the Museum is to investigate and promote the understanding of the history of life and  
2 the diversity of the Earth's biota through research and education."  
3 <http://www.ucmp.berkeley.edu/museum/museum.php>.<sup>1</sup> The Understanding Evolution section is  
4 just one of several extensive collections of educational materials – totaling over 5000 web pages –  
5 that make up the Museum's website. <http://www.ucmp.berkeley.edu/>. For example, the  
6 "Paleontology Portal" (<http://www.paleoportal.org/>) contains nearly 2000 pages of information,  
7 images, resources for educators, and links. That site, produced by the Museum and funded by the  
8 National Science Foundation ("NSF"), has won several awards for excellence.  
9 [http://www.paleoportal.org/footer\\_pages/awards.php](http://www.paleoportal.org/footer_pages/awards.php).

10 The UE site is also sponsored jointly by the Museum and NSF. *See*  
11 <http://evolution.berkeley.edu/>. The site has been highly praised and has received several awards  
12 for excellence. <http://evolution.berkeley.edu/evosite/recognition.shtml>. The site's description of  
13 purpose is clearly and prominently stated:

14 Understanding Evolution is a non-commercial, education website,  
15 teaching the science and history of evolutionary biology. This site is  
16 here to help you understand what evolution is, how it works, how it  
factors into your life, how research in evolutionary biology is  
performed, and how ideas in this area have changed over time.

17 <http://evolution.berkeley.edu/evolibrary/whatsnew.php>. The site, which consists of some 840  
18 pages, originally focused on providing resources on evolution to K-12 teachers. As the site index  
19 of these teacher resources shows, <http://evolution.berkeley.edu/evosite/siteindex.shtml>, the  
20 material is organized into a number of sections including "the Nature of Science" (describing

21 \_\_\_\_\_  
22 <sup>1</sup> Defendants have requested the court to take judicial notice of the Museum's website, including  
23 the "Understanding Evolution" portion of that site. *See* Defendants' Request For Judicial Notice. Further,  
24 consideration of the Museum's website is proper at this juncture because plaintiff's complaint refers to the  
25 website and because the website is central to plaintiff's claims. *See Branch v. Tunnell*, 14 F.3d 449, 453-  
26 54 (9th Cir. 1994) overruled on other grounds in *Galbraith v. County of Santa Clara*, 307 F.3d 1119 (9th  
27 Cir. 2002) (a court may consider "documents whose contents are alleged in a complaint and whose  
28 authenticity no party questions, but which are not physically attached to the pleading . . . in ruling on a  
Rule 12(b)(6) motion to dismiss."); *Pension Benefit Guaranty Corp. v. White Consolidated Indus., Inc.*,  
998 F.2d 1192, 1196-97 (3d Cir. 1993); *Venture Associates Corp. v. Zenith Data Systems Corp.*, 987 F.2d  
429, 431-32 (7th Cir. 1993); *Cortec Indus., Inc. v. Sum Holding L.P.*, 949 F.2d 42, 47 (2d Cir. 1991); *Ed  
Miniat, Inc. v. Globe Life Ins. Group., Inc.*, 805 F.2d 732, 739 (7th Cir. 1986) (documents proffered by  
defendant in support of motion to dismiss are considered part of the pleadings if they are referred to in the  
plaintiff's complaint and are central to plaintiff's claim).

1 scientific methodology), “Evolution 101” (describing many of the basic concepts of evolution),  
2 “History of Evolutionary Thought,” “Misconceptions” (addressing a series of common  
3 misconceptions about evolution), and “Evidence” (describing evidence for evolution). Each of  
4 these sections contains many pages of detailed information. More recently, the site has been  
5 expanded to add substantial content aimed at the general public. <http://evolution.berkeley.edu/evolibrary/whatsnew.php>. The site also contains a “Readings and Resources” section that  
6 provides additional content and links to material both on other sections of the Museum’s site and  
7 on non-University websites. <http://evolution.berkeley.edu/evosite/resources/>.

9 Plaintiff’s complaint focuses on only three pages of the Museum website. First, plaintiff  
10 complains about one of the pages in the “Misconceptions” section of the UE site which addresses  
11 the misconception that “Evolution and Religion are Incompatible.” Complaint, Ex. 2. That page  
12 describes the differences between science and religion, notes that some religious beliefs conflict  
13 with religion, but also states, accurately, that many religions have no problem with evolution.  
14 The page provides a link to the website of a non-profit organization, the National Center for  
15 Science Education (“NCSE” – not to be confused with defendant the National Science  
16 Foundation), which quotes statements from various religious groups indicating acceptance of  
17 evolutionary theory.

18 Second, plaintiff complains about an essay by Eugenie Scott, Executive Director of the  
19 NCSE, which, although it appears on another Museum website, is linked from the UE “Resources  
20 and Readings” page. Complaint, Ex. 5. The essay, titled “*Dealing with Antievolutionism*,” gives  
21 advice to K-12 teachers about how to deal with opponents of evolution. It contains a section titled  
22 “*Defuse the Religion Issue*” in which Dr. Scott provides strategies for dealing with student  
23 religious objections that might interfere with evolution education.

24 Third, plaintiff identifies another essay on the “Resources and Readings” page titled “*The*  
25 *Domains of Science and Human Preferences*,” by John A. Moore, an emeritus professor of  
26 biology at the University of California at Riverside. Complaint, Ex. 3. In it, Prof. Moore  
27 discusses the nature of science and scientific evidence and the relationship between science and  
28 religion.

1 **III. ARGUMENT**

2 **A. Plaintiff Lacks Article III Standing To Assert the Claims Alleged in Her**  
3 **Complaint**

4 To establish a “case-or-controversy” within the meaning of Article III, a plaintiff must  
5 show an “injury in fact” which is concrete and not conjectural, a causal connection between the  
6 injury and defendant’s conduct or omissions, and a likelihood that the injury will be redressed by  
7 a favorable decision. *Lujan v. Defenders of Wildlife*, 504 U.S. 555, 560-561 (1992). The alleged  
8 injury must be individualized – courts will not adjudicate “abstract questions of wide public  
9 significance” amounting only to “generalized grievances.” *Valley Forge Christian Coll. v.*  
10 *Americans United for Separation of Church and State, Inc.*, 454 U.S. 464, 474-75 (1982)  
11 (quotations omitted). The burden is on the party who seeks the exercise of jurisdiction in his or  
12 her favor “clearly to allege facts demonstrating that he is a proper party to invoke judicial  
13 resolution of the dispute.” *United States v. Hays*, 515 U.S. 737, 743 (1995) (quotations omitted).  
14 Because plaintiff has failed to do so here, her complaint must be dismissed.

15 **1. Plaintiff Cannot Establish Standing Based on Her Status As a Federal**  
16 **Or State Taxpayer**

17 Plaintiff generally alleges that she “pays taxes to the State of California and the United  
18 States government,” and that she has sustained injury as a result of defendant’s expenditure of tax  
19 revenues. Complaint ¶¶ 9, 37. Plaintiff’s bid to base standing on plaintiff’s status as a federal  
20 and/or state taxpayer must be rejected.

21 The relevant requirements for federal taxpayer standing are set forth in the Supreme  
22 Court’s decisions in *Frothingham v. Mellon*, 262 U.S. 447, 487 (1923), and *Flast v. Cohen*, 392  
23 U.S. 83 (1968). In *Frothingham*, the Court established a general rule rejecting federal taxpayer  
24 standing, observing that a federal taxpayer’s “interest in the moneys of the Treasury . . . is  
25 comparatively minute and indeterminable” and that “the effect upon future taxation, of any  
26 payment out of the [Treasury’s] funds, [is] remote, fluctuating and uncertain.” *Frothingham*, 262  
27 U.S. at 487. The Supreme Court subsequently recognized a limited exception to this general rule  
28 in *Flast*, where it held that federal taxpayer status is a sufficient basis for standing if there is (1)

1 “a logical link between that status and the type of legislative enactment attacked,” and (2) “a  
2 nexus between that status and the precise nature of the constitutional infringement alleged.”  
3 *Flast*, 392 U.S. at 102. In practice, this double nexus test has been satisfied only in a small class  
4 of cases involving exercises of Congress’ taxing and spending power that allegedly violate the  
5 constitutional limitation upon that power imposed by the Establishment Clause. *See, e.g., Valley*  
6 *Forge*, 454 U.S. at 479 (rejecting challenge to Congress’ exercise of powers under the Property  
7 Clause).

8 Under *Flast*, courts have recognized the standing of federal taxpayers to challenge the  
9 Constitutionality of federal legislation authorizing spending programs on the grounds such  
10 programs violate the Establishment Clause. *See, e.g., Children’s Healthcare Is A Legal Duty, Inc.*  
11 *v. Min De Parle*, 212 F.3d 1084, 1090 n.4 (8th Cir. 2000). Plaintiff makes no such challenge  
12 here – indeed, her complaint makes no mention whatever of any such federal legislation. To the  
13 contrary, plaintiff’s challenge is aimed at certain aspects of defendants’ use of a single federal  
14 grant made by the National Science Foundation. There is no allegation suggesting any degree of  
15 Congressional involvement whatsoever in the administration of this grant. There is no allegation,  
16 nor can there be, that Congress had any direct or indirect role in defendants’ creation and  
17 maintenance of the allegedly unconstitutional portions of the UE website. *Cf. Bowen v. Kendrick*,  
18 487 U.S. 589 (1988) (taxpayers had standing to challenge constitutionality of the Adolescent  
19 Family Life Act (“AFLA”) as applied, where Congress determined how AFLA funds  
20 administered by executive agency were to be spent).

21 Without such a nexus between Congress’ exercise of its taxing and spending powers and  
22 the challenged conduct, there can be no basis for federal taxpayer standing. This was the result  
23 reached by the Second Circuit in *In re U.S. Catholic Conference*, 885 F.2d 1020 (2d. Cir. 1989).  
24 There, federal taxpayers filed suit challenging the IRS’s failure to enforce IRC section 501(c)(3)’s  
25 prohibition on lobbying and campaigning, and specifically the failure to withdraw tax-exempt  
26 status in view of the Catholic Church’s alleged political activities in opposing abortion rights.  
27 The court observed that the taxpayers’ complaint “centers on an alleged decision made solely by  
28 the executive branch,” and concluded that because “there is no nexus between plaintiffs’

1 allegations and Congress' exercise of its taxing and spending power," the plaintiffs "fall within  
2 *Frothingham's* general rule denying taxpayer standing." *Id.* at 1028.

3 A similar result was reached in *Fordyce v. Frohnmayer*, 763 F. Supp. 654 (D.D.C. 1991),  
4 which addressed an action brought against the National Endowment for the Arts (NEA) alleging  
5 that the agency's partial sponsorship of an art exhibition violated the Establishment Clause. The  
6 court granted defendants' motion to dismiss for lack of standing, noting that the federal taxpayer  
7 plaintiffs "cannot contend that there was any congressional involvement in the decision to provide  
8 partial funding to the exhibition, that Congress participates in the decision to grant or deny  
9 applications for federal funding, or that the NEA merely administers a congressional directive."  
10 *Id.* at 657. The court concluded: "Because the nexus between plaintiffs' allegations and  
11 Congress' exercise of its taxing and spending power is so attenuated, plaintiffs cannot assert  
12 standing based on their status as taxpayers." *Id.* at 657. The same is true here. Because plaintiff  
13 has failed to allege any basis for establishing a sufficient nexus between Congress' exercise of its  
14 taxing and spending power and the challenged aspects of the UE website, any claim of federal  
15 taxpayer standing must be rejected.

16 Nor can plaintiff establish standing as a state taxpayer. In order to do so, plaintiff must at  
17 a minimum allege she "has sustained or is immediately in danger of sustaining some direct injury  
18 as the result of [the challenged statute's] enforcement." *Doremus v. Bd. of Educ.*, 342 U.S. 429,  
19 434 (1952) (quotations omitted). In *Doremus*, the Supreme Court held that state taxpayers  
20 challenging a policy of reading the Old Testament at the beginning of each school day could not  
21 assert taxpayer standing because "[t]here [was] no allegation that this activity [was] supported by  
22 any separate tax or paid for from any particular appropriation or that it add[ed] any sum whatever  
23 to the cost of conducting the school." *Id.* at 433. A leading Ninth Circuit case applying *Doremus*  
24 is *Hoohuli v. Ariyoshi*, 741 F.2d 1169 (9th Cir. 1984), where the court found that state taxpayers  
25 had standing to challenge Hawai'i's policy of distributing funds to descendants of aboriginal  
26 Hawai'ians. There, the Ninth Circuit identified the criteria for determining whether a state  
27 taxpayer action met the *Doremus* requirement of a "good-faith pocketbook action," including the  
28 requirements that the taxpayer a) challenge the "appropriating, transferring, and spending . . . of

1 taxpayers' money from the General Fund of the State Treasury"; and b) identify in the pleadings  
2 the amounts appropriated for the allegedly unlawful purpose. *Id.* at 1180 (quotations omitted).  
3 Plaintiff has made no such allegations here. Accordingly, she has no basis for asserting taxpayer  
4 standing.

5 An additional basis for denying plaintiff taxpayer standing lies in her failure to allege any  
6 actual stake as a taxpayer in the instant dispute. *See Warth v. Seldin*, 422 U.S. 490, 508 (1975)  
7 (To establish standing, plaintiff must show she would "personally would benefit in a tangible way  
8 from the court's intervention"). Here, plaintiff challenges certain content on a website that is up  
9 and running. Even if plaintiff could allege that specified state tax revenues have been spent in  
10 developing the challenged portions of the site – which she cannot – she would have to further  
11 allege that some additional, meaningful amount of state tax dollars are to be spent in the future  
12 with regard to the alleged unconstitutional portions of the site. She has not, and cannot, make any  
13 such allegation. *See, e.g., Nelsen v. King County*, 895 F.2d 1248, 1250-51 (9th Cir. 1990)  
14 (plaintiffs lacked standing where they could not demonstrate that "the requisite threat of future  
15 harm actually exists"); *see also Imagineering, Inc. v. Kiewit Pac. Co.*, 976 F.2d 1303, 1308-09  
16 (9th Cir. 1992) (plaintiffs failed to allege sufficient facts to confer standing where complaint did  
17 not allege that the named plaintiffs "would suffer the same purported injury in the future").

18 **2. Plaintiff Has Failed To Allege Any Cognizable Injury Sufficient To**  
19 **Confer Standing**

20 In addition to an alleged economic injury arising out of her taxpayer status, plaintiff also  
21 apparently asserts she has standing based on a non-economic injury, to wit, her negative feelings  
22 about the challenged content on the UE website. She alleges she is "offended" when she has used  
23 the website, and feels like an "outsider." Complaint, ¶ 26. Because such feelings do not  
24 constitute the individualized injury-in-fact necessary to confer Article III standing, these  
25 allegations furnish no assistance whatever to plaintiff.

26 The Supreme Court has repeatedly rejected standing claims premised upon "the abstract  
27 injury in nonobservance of the Constitution asserted by . . . citizens." *Schlesinger v. Reservists*  
28 *Committee to Stop the War*, 418 U.S. 208, 223 n. 13 (1974); *Fairchild v. Hughes*, 258 U.S. 126,

1 129 (1922) (rejecting standing claims predicated on “the right, possessed by every citizen, to  
2 require that the Government be administered according to law. . . .”). In *Valley Forge*, 454 U.S.  
3 at 485 (1982) the Supreme Court denied standing to an organization which sought to bring an  
4 Establishment Clause challenge halting the transfer of federal property to a religious school.  
5 None of the plaintiffs had any interest in, or even lived near the property being transferred; they  
6 learned about the conveyance by reading a press release. The Supreme Court concluded that  
7 plaintiffs had failed to identify any injury beyond “the psychological consequence presumably  
8 produced by observation of conduct with which one disagrees. That is not an injury sufficient to  
9 confer standing under Art. III.” *Id.* at 485.

10 The same is true here. Beyond feeling offended by the alleged use of the UE website to  
11 engage in unconstitutional “proselytization,” plaintiff fails to allege any injury whatever resulting  
12 from the website’s challenged references to religion. As the majority in *Valley Forge* recognized,  
13 a claim of this type is nothing more than an attempt “to employ a federal court as a forum in  
14 which to air . . . generalized grievances about the conduct of government.” *Valley Forge, supra*, at  
15 483 (quoting *Flast*, 392 U.S. at 106). Because plaintiff’s feelings about the alleged unconstitu-  
16 tionality of defendants’ conduct cannot, in themselves, constitute the injury required to confer  
17 standing, plaintiff’s claims must be dismissed. *See Doe v. Madison School Dist. No. 321*, 177  
18 F.3d 789, 798 (9th Cir. 1999) (*en banc*) (Parent who asserted graduation prayer was “offensive”  
19 lacked standing, where children had graduated and there was no other claim of injury).<sup>2</sup>

20 **B. Plaintiff Alleges No Violation of the Establishment Clause**

21 **1. Standards on Motion to Dismiss**

22 In deciding a Motion to Dismiss for failure to state a claim under Fed. R. Civ. Proc.  
23 12(b)(6), “[r]eview is limited to the contents of the complaint. . . . All allegations of material fact  
24 are taken as true and construed in the light most favorable to the nonmoving party. . . . The court  
25 \_\_\_\_\_

26 <sup>2</sup> Under certain circumstances, the Ninth Circuit has recognized the requisite injury-in-fact where  
27 an individual, offended by a perceived unconstitutional religious display, is unable to enjoy unrestricted  
28 access to a public park or other public lands. *See, e.g., Separation of Church and State Committee v. City of Eugene*, 93 F.3d 617, 619 (9th Cir. 1996); *Ellis v. City of La Mesa*, 990 F.2d 1518, 1523 (9th Cir. 1993). No such situation exists here.

1 need not, however, accept as true allegations that contradict matters properly subject to judicial  
2 notice or by exhibit. . . . Nor is the court required to accept as true allegations that are merely  
3 conclusory, unwarranted deductions of fact, or unreasonable inferences.” *Sprewell v. Golden*  
4 *State Warriors*, 266 F.3d 979, 988 (9th Cir. 2001) (citations omitted).

5 **2. Plaintiff Must Demonstrate That the Predominant Purpose Or Effect**  
6 **of the Museum’s Website, When Viewed in Context by an Objective**  
7 **Observer, Is Religious**

8 The Establishment Clause of the First Amendment does not prohibit all government  
9 comment on or reference to religion. “Rather than mechanically invalidating all governmental  
10 conduct . . . that confer[s] benefits or give[s] special recognition to religion in general or to one  
11 faith – as an absolutist approach would dictate – the [U.S. Supreme] Court has scrutinized  
12 challenged legislation or official conduct to determine whether, in reality, it establishes a religion  
13 or religious faith, or tends to do so.” *Lynch v. Donnelly*, 465 U.S. 668, 678 (1984). Total  
14 separation between religion and government “is not possible in an absolute sense.” *Lemon v.*  
15 *Kurtzman*, 403 U.S. 602, 614 (1971). Thus, for example, presentation of religious content in “[a]  
16 typical museum setting . . . negates any message of endorsement” that would implicate the  
17 Establishment Clause. *County of Allegheny v. ACLU*, 492 U.S. 573, 595 (1989) (quotation  
18 omitted).

19 The appropriate legal test to apply to Establishment Clause challenges has been a matter  
20 of some controversy. In *Lemon*, the Supreme Court developed a now familiar three-part  
21 framework for evaluating establishment claims. “Under the *Lemon* analysis, a statute or practice  
22 which touches upon religion, if it is to be permissible under the Establishment Clause, must have  
23 a secular purpose; it must neither advance nor inhibit religion in its principal or primary effect;  
24 and it must not foster an excessive entanglement with religion.” *Allegheny*, 492 U.S. at 592. The  
25 *Lemon* test – particularly its “purpose” prong – has been criticized for prohibiting too much  
26 government activity,<sup>3</sup> and where the Court has not relied on *Lemon*, it has generally upheld

27 <sup>3</sup> E.g., *Lamb’s Chapel v. Center Moriches Union Free School Dist.*, 508 U.S. 384, 398 (1993)  
28 (Scalia, J., concurring); *McCreary County, Kentucky v. ACLU*, \_\_\_ U.S. \_\_\_, 125 S.Ct. 2722, 2757 (2005)  
(Scalia, J., dissenting).

1 government actions against establishment challenges.<sup>4</sup> Despite *Lemon*'s controversial nature,  
2 both the Supreme Court and the Ninth Circuit have frequently invoked it,<sup>5</sup> and just last term a  
3 majority of the Court rejected a call to abandon *Lemon*'s "purpose" test. *McCreary County,*  
4 *Kentucky*, 125 S.Ct. at 2732-35. Since any alternative test is even more likely to result in  
5 dismissal, we will analyze plaintiff's claims under *Lemon*.<sup>6</sup>

6 Because the web display plaintiff challenges involves no regulation of or direct  
7 government subsidy to religious organizations that might create an "entanglement" with religion,  
8 plaintiff's claim must be based on one of the first two prongs of the *Lemon* test: a showing either  
9 that the **purpose** or **effect** of the Museum's website is to advance or endorse religion. See *Lynch*,  
10 465 U.S. at 683-84 (no "entanglement with religion" issue in a static display case).<sup>7</sup> The Supreme  
11 Court's recent Establishment Clause cases make evident that, where, as here, the challenge is to a  
12 static government-sponsored display, the "purpose" and "effects" prongs of the *Lemon* test are  
13 closely related, if not entirely merged. That is because both tests depend on the objective  
14 observer's reaction to the display, viewed in context. As the Court has stated, "[t]he effect of the  
15 display depends upon the message that the government's practice communicates: the question is  
16 'what viewers may fairly understand to be the purpose of the display.'" *Allegheny*, 492 U.S. at  
17

18 <sup>4</sup> See, e.g., *Marsh v. Chambers*, 463 U.S. 783 (1983); *Van Orden v. Perry*, \_\_\_ U.S. \_\_\_, 125  
19 S.Ct. 2854 (2005).

20 <sup>5</sup> E.g., *Allegheny*; *Wallace v. Jaffree*, 472 U.S. 38, 55-56 (1985); *Santa Fe Indep. Sch. Dist. v.*  
21 *Doe*, 530 U.S. 290, 314 (2000); *Grove v. Mead School Dist. No. 354*, 753 F.2d 1528, 1534 (9th Cir. 1985);  
*Pelozo v. Capistrano Unified School Dist.*, 37 F.3d 517, 520 (9th Cir. 1994); *Cholla Ready Mix, Inc. v.*  
*Civish*, 382 F.3d 969, 975 (9th Cir. 2004).

22 <sup>6</sup> Not surprisingly, plaintiff's complaint appears to assume application of *Lemon*. Complaint,  
23 ¶¶ 34-36.

24 <sup>7</sup> The Supreme Court has addressed static displays of claimed religious material or images on a  
25 number of occasions, including cases involving holiday displays, such as *Lynch* and *County of Allegheny*,  
26 and displays of the Ten Commandments, such as in last term's *McCreary* and *Van Orden* cases. The  
27 Court's Establishment Clause jurisprudence includes a number of other categories of cases, such as those  
28 involving direct government aid to religious organizations (e.g., *Lemon*), or government sponsorship of  
active worship activities (See, e.g., *Marsh*, *Santa Fe*, *Wallace*), or government teaching of allegedly  
religious ideas directly to secondary school students. E.g., *Edwards v. Aguillard*, 482 U.S. 578 (1987);  
*Epperson v. Arkansas*, 393 U.S. 97 (1968). While the general principles set forth in these non-display  
cases are instructive, because this case involves a static display of material on the World Wide Web, the  
specific analysis of the display cases is most pertinent.

1 595. In other words, the effect of a display depends on its apparent purpose. Similarly, the  
2 “purpose” inquiry is directed not to “judicial psychoanalysis of a drafter’s heart of hearts” or to  
3 the “veiled psyche of government officers,” but to the government purpose evident to an  
4 “objective observer.” *McCreary*, 125 S.Ct. at 2734-2735; *see also Santa Fe Indep. Sch. Dist.*,  
5 530 U.S. at 308; *Wallace*, 472 U.S. at 73 (O’Conner, J., concurring). There is an unlawful  
6 purpose only if “openly available data support[] a commonsense conclusion that a religious  
7 objective permeated the government’s action.” *McCreary*, 125 S.Ct. at 2735. Thus, the  
8 “purpose” and “effect” prongs of *Lemon*, at least when applied to a static government display,  
9 involve precisely the same inquiry: Would the display, viewed in context, lead an objective  
10 observer to conclude that the government’s purpose is primarily religious?

11 Three aspects of this inquiry are worthy of emphasis. **First**, to violate the Establishment  
12 Clause, religious purposes or effect must predominate. There is an improper **purpose** only if  
13 “government acts with the ostensible and predominant purpose of advancing religion.”  
14 *McCreary*, 125 S.Ct. at 2733. “The Court has invalidated legislation or governmental action on  
15 the ground that a secular purpose was lacking, but only when it has concluded there was no  
16 question that the statute or activity was motivated wholly by religious considerations.” *Lynch*,  
17 465 U.S. at 680. A “mixed” secular motive is insufficient to invalidate government action.  
18 *Bowen v. Kendrick*, 487 U.S. 589, 602-03 (1988); *Cammack v. Waihee*, 932 F.2d 765, 773 (9th  
19 Cir. 1991) (“When there are both religious and legitimate, sincere secular purposes motivating  
20 legislation, it appears that the existence of the secular purpose will satisfy the first *Lemon*  
21 prong.”). Similarly, religious **effects** that are merely “indirect, remote, or incidental” do not  
22 violate the Establishment Clause. *Lynch*, 465 U.S. at 683 (quotations omitted); *Lamb’s Chapel*,  
23 508 U.S. at 395. Rather the “principal or primary” effect must be to advance or inhibit religion.  
24 *Lynch*, 465 U.S. at 683; *Allegheny*, 492 U.S. at 592.

25 **Second**, the context in which the “objective observer” would view the challenged display  
26 is key, and often decisive, to the evaluation of both purpose and effect. Context is important  
27 because “[f]ocus exclusively on the religious component of any activity would inevitably lead to  
28 its invalidation under the Establishment Clause.” *Lynch*, 465 U.S. at 680. In contrast, the

1 Supreme Court has recognized that certain contexts “change[] what viewers may fairly  
2 understand to be the **purpose** of the display’ and ‘negate[] any message of endorsement.’”  
3 *Allegheny*, 492 U.S. at 596 (emphasis added); *see also McCreary*, 125 S.Ct. at 2741 (“purpose  
4 needs to be taken seriously under the Establishment Clause and needs to be understood in light of  
5 context”). Similarly, “the **effect** of the government’s use of religious symbolism depends upon its  
6 context.” *Allegheny*, 492 U.S. at 597 (emphasis added); *see also Lynch*, 465 U.S. at 680.

7 **Third**, as suggested above, the **subjective**, hidden purposes of the governmental actors  
8 are irrelevant; instead the focus is on the impression that would be formed by the “objective  
9 observer” based on the “openly available data.” *McCreary*, 125 S.Ct. at 2735. If the objective  
10 observer, familiar with the openly available data cannot see a religious purpose “then without  
11 something more the government does not make a divisive announcement that in itself amounts to  
12 taking religious sides.” *Id.*

13 **3. When Viewed in Context, It Is Clear That the Objective Effect and**  
14 **Purpose of the Challenged Website Is Teaching Evolution, Not**  
15 **Promoting Religion**

16 **a. Promotion of Evolution Has a Secular Purpose and Effect**

17 Courts, including the Ninth Circuit, have repeatedly held that evolution is a secular idea  
18 and that its promotion does not violate the Establishment Clause. In *Pelozo v. Capistrano Unified*  
19 *School Dist.*, 37 F.3d 517 (9th Cir. 1994), the Ninth Circuit rejected a claim that public school  
20 teaching of evolution established a state-supported religion of “evolutionism” or “secular  
21 humanism.” The court noted that “neither the Supreme Court, nor this circuit, has ever held that  
22 evolutionism or secular humanism are ‘religions’ for Establishment Clause purposes[, and] both  
23 the dictionary definition of religion and the clear weight of the caselaw are to the contrary.” *Id.* at  
24 521. *See also Crowley v. Smithsonian Institution*, 636 F.2d 738 (D.C. Cir. 1980) (evolution not a  
25 religious idea). Similarly, at least two Supreme Court decisions held that state attempts to limit  
26 the teaching of evolution, *Epperson v. Arkansas*, 393 U.S. 97 (1968), or to require that evolution  
27 be taught only alongside creationist theories, *Edwards v. Aguillard*, 482 U.S. 578 (1987), violate  
28 the Establishment Clause – decisions that are consistent only with the conclusion that evolution is  
secular. “The Supreme Court has held unequivocally that while the belief in a divine creator of

1 the universe is a religious belief, the scientific theory that higher forms of life evolved from lower  
2 forms is not.” *Pelozo*, 37 F.3d at 521.

3                   **b. The Predominant Purpose and Effect of the Understanding**  
4                   **Evolution Website Is Teaching Evolution, Not Promoting**  
5                   **Religion**

6                   What would the “objective observer” who viewed the Understanding Evolution website  
7 conclude about its “purpose?” Would it appear designed “predominantly” as a means of  
8 advancing a particular religious agenda? Or would its primary purpose appear to be teaching the  
9 secular idea of biological evolution? The answer is clear from the “openly available” – indeed  
10 judicially noticeable – data: the Understanding Evolution website is overwhelmingly, if not  
11 exclusively, designed to teach the secular, scientific theory idea of evolution.

12                   **c. The Publicly-Stated Purpose of the UE Website Is Secular**

13                   As set forth above, the UE website itself explicitly sets forth a secular purpose: “teaching  
14 the science and history of evolutionary biology.” [http://evolution.berkeley.edu/evolibrary/  
15 whatsnew.php](http://evolution.berkeley.edu/evolibrary/whatsnew.php). A government entity’s statement of its own purpose is entitled to deference  
16 unless it is a “sham.” *Santa Fe*, 530 U.S. at 308; *McCreary*, 125 S.Ct. at 2735. Such deference is  
17 analytically consistent with the “objective observer” standard, since, unless transparently false,  
18 disavowal of a religious purpose should reassure an objective observer that the government is not,  
19 in fact, seeking to promote a religious viewpoint. Nothing in the context or content of the UE  
20 website demonstrates that the stated purpose is a “sham,” and the Court should therefore defer to  
21 that statement of secular intent.

22                   **d. The “Openly Available Data” Regarding the History of the UE**  
23                   **Website Confirms Its Secular Purpose**

24                   To determine whether a stated secular purpose may be a “sham,” courts have often  
25 reviewed the history of the enactment or display under challenge. *McCreary*, 125 S.Ct. at 2737;  
26 *Edwards*, 482 U.S. at 595. Of course, because the purpose inquiry goes not to the mental state of  
27 the government decision-makers, but to the purpose that would be evident to the “objective  
28 observer,” this review is limited to the “openly available data.” *McCreary*, 125 S.Ct. at 2735.  
Here, plaintiffs’ complaint alleges and incorporates the openly available evidence of the history

1 of the UE website in the form of the NSF Award Abstract, which is, in effect, the “legislative  
2 history” of the federal grant that funded the site. Complaint, Ex. 1. The Abstract confirms the  
3 grant’s secular purpose in noting the official project aims: “to improve teacher understanding of  
4 the nature of science, the patterns and processes of evolution, and the history of evolutionary  
5 thought and to increase their ability to teach these subjects effectively.” *Ibid.* There is no  
6 reference to any religious purpose.

7 e. **The Context of the Challenged Web Pages Dispels Any Notion**  
8 **of a Religious Purpose**

9 In evaluating claims that static displays violate the Establishment Clause, both the  
10 Supreme Court and the Ninth Circuit have placed heavy emphasis on the physical context of the  
11 challenged display elements, and in particular on the proportion of the total display that is  
12 religious in nature. For example, in *Lynch* the Supreme Court held that a crèche that was  
13 surrounded by numerous secular holiday images did not convey a predominantly religious  
14 purpose, *Lynch*, 465 U.S. at 680-81, while in *Allegheny*, the Court held that a crèche standing  
15 alone in a prominent position in a county courthouse, did suggest a government purpose to  
16 promote religion. *Allegheny*, 492 U.S. at 598 (“Here, unlike in *Lynch*, nothing in the context of  
17 the display detracts from the crèche’s religious message. . . . Here, in contrast, the crèche stands  
18 alone.”) In *Grove v. Mead Sch. Dist. No. 354*, 753 F.2d 1528 (9th Cir. 1985), the Ninth Circuit  
19 rejected a claim that requiring students to read the novel The Learning Tree, by Gordon Parks,  
20 violated the Establishment Clause despite the book’s comments on religion. “Comment on  
21 religion is a very minor portion of the book. Its primary effect is secular.” *Id.* at 1534.

22 As discussed above, plaintiff challenges only the smallest proportion – about one-tenth of  
23 one percent – of the UE website’s pages, and an even smaller fraction of all the educational material  
24 on the Museum’s website. The fact that these few challenged references to religion are surrounded  
25 by reams of secular educational material dispels the notion that the “predominant” purpose of the  
26 website is to advocate a particular religious belief. On the contrary, the overwhelmingly secular  
27 educational nature of the surrounding material must lead any reasonable observer to conclude that  
28 the purpose of the “misconceptions” page is to educate, not to proselytize.

1 f. **The Content of the Challenged UE Web Page Does Not**  
2 **Demonstrate a “Predominantly” Religious Purpose**

3 Given the strong statement of secular purpose on both the UE website and its originating  
4 Award Abstract and the insignificant proportion of the site devoted to any discussion of religion,  
5 one would expect that any Establishment Clause challenge to the minimal references to religion  
6 that do exist would be based on unambiguous expressions of religious endorsement. One would  
7 be wrong. In fact, plaintiff’s establishment claim is based on strained inferences she seeks to  
8 draw from material that is, on its face, clearly designed to promote teaching of the secular concept  
9 of evolution.

10 In evaluating the inference that an objective observer would draw from the few challenged  
11 portions of the UE site, one more bit of context about the nature of the current debate over  
12 evolution is important. Most, if not all, contemporary challenges to the theory of evolution have  
13 been religious in nature – as the Supreme Court’s holdings in *Epperson* and *Edwards*, as well as  
14 lower court decisions dealing with evolution education demonstrate. *See, e.g., Webster v. New*  
15 *Lenox Sch. Dist. No. 122*, 917 F.2d 1004, 1006 (7th Cir. 1990); *McLean v. Arkansas Bd. of Educ.*,  
16 529 F. Supp. 1255 (D. Ark. 1982). Thus, discussion of religion on the UE website does not come  
17 out of thin air: it arrives in a context in which defense of the secular idea of evolution must  
18 necessarily address these religiously-based challenges. In doing so, it is natural that there will be  
19 discussion of the differences between science and religion and the extent to which some religions  
20 do and other religions do not object to evolution. The Establishment Clause has never been  
21 interpreted to bar all government discussion of religion even if for the purpose of secular  
22 education. Rather, the Supreme Court has repeatedly held that “study of the Bible or of religion,  
23 when presented objectively as part of a secular program of education” is consistent with the First  
24 Amendment. *Lynch*, 465 U.S. at 679 (quotations omitted). Information about religion “may  
25 constitutionally be used in an appropriate study of history, civilization, ethics, comparative  
26 religion, or the like” – or as here, the study of evolution. *Stone v. Graham*, 449 U.S. 39, 42  
27 (1980). Given this context, the objective observer will understand that statements responding to  
28 the objections of some religions to the secular scientific theory of evolution have as their clear

1 purpose, not the establishment of competing religions, but the promotion of the secular idea of  
2 evolution.

3 Review of the challenged material – the “*Misconceptions: ‘Evolution and religion are*  
4 *incompatible’*” page of the Museum’s website, the “*Dealing With Antievolutionism*” article by  
5 Eugenie C. Scott, and the “*The Domains of Science and Human Preferences*” essay by John A.  
6 Moore – will demonstrate to an objective observer aware of the context that the primary purpose  
7 of each of these documents is not endorsement or propagation of a particular religious belief, but  
8 promotion of secular evolution education. Defendants’ strongest argument is simply to invite the  
9 Court to review those documents and simply allow them to speak for themselves. Nevertheless,  
10 plaintiff’s challenge to these documents appears to involve three distinct elements, and defendants  
11 propose some points for the Court to keep in mind during its review.

12 First, plaintiff asserts that– by noting that certain religious groups do not dispute  
13 evolution – defendants have suggested that those religions constitute “properly understood” or  
14 “correct” religious beliefs and that defendants are “advocating” or “proselytizing” in favor of  
15 those beliefs. Complaint, ¶¶ 24(b), 24(c)(second), 25(a), 25(b). In fact, nowhere does the UE  
16 website endorse any religious belief or assert that any belief is “correct.” Rather, the stated  
17 purpose of this discussion of religion is to address resistance to the secular concept of evolution  
18 that might result from the misconception that evolution is **always** in conflict with religious  
19 beliefs. Thus, the “Misconceptions” page identifies the “misconception” as a belief that “one  
20 **always** has to choose between science and religion.” Complaint, Ex. 2 (emphasis added).<sup>8</sup>  
21 Similarly, far from encouraging school teachers to “proselytize,” the Scott article repeatedly  
22 indicates that teachers should **not** promote any religious viewpoint; rather, it suggests methods for  
23 allowing students to get beyond common misconceptions about the relationship between religion  
24 and evolution for the purpose of more effectively teaching the secular science of evolution. Thus  
25 the Scott article states “**it is not the job of public school science teachersto [sic] teach**  
26

27  
28 <sup>8</sup> Tellingly, the complaint misquotes this passage, leaving out the critically important word  
“always.” Complaint, ¶ 24(b).

1 **theology,**” but notes that “when students come to class with their fingers stuck into their ears and  
2 their eyes closed, it is necessary to figure out a way to get the fingers out and the eyes open.”  
3 Complaint, Ex. 5 (emphasis added). If there were any doubt, Scott repeats that “**it would be**  
4 **inappropriate for a teacher to [sic] encourage students towards or against any religious**  
5 **view.**” *Id.* (emphasis added). The article makes explicit that the purpose of the various proposed  
6 classroom exercises that plaintiff criticizes (*see* Complaint, ¶ 25(a)), is not to advance a religious  
7 view, but to promote secular education: “The purpose of this exercise is to give the student some  
8 critically important information so that he or she will be more willing to listen to the scientific  
9 information you will present.” Complaint, Ex. 5. Thus, the content of these challenged bits of  
10 the UE website make clear that they are not “motivated wholly by religious considerations,”  
11 *Lynch*, 465 U.S. at 680; rather, the “predominant” purpose and effect is the secular one of  
12 teaching evolution. If they promote anything, it is not religion but the secular theory of evolution.  
13 Any religious effect is at best “indirect, remote, or incidental” and does not violate the  
14 Establishment Clause. *Id.* at 683 (quotations omitted); *Lamb’s Chapel*, 508 U.S. at 395; *Kong v.*  
15 *Scully*, 341 F.3d 1132, 1140 (9th Cir. 2003) (rejecting Establishment Clause challenge to  
16 Medicare amendment permitting payments for nonmedical care of persons whose religious tenets  
17 lead them to reject medical services: “The amendment indoctrinates no one in religion. .. [It]  
18 compels no belief.”).

19 The second element of plaintiff’s challenge appears to be that the “Misconceptions” page  
20 links to a list of statements from religions that accommodate evolutionary theory but not from  
21 religions that oppose it. Plaintiff claims that defendants “have narrowly selected only those faith  
22 traditions whose views align perfectly with those of the NCSE” and have failed to acknowledge  
23 contrary religious views. Complaint, ¶ 30. But that is, of course, consistent with the stated  
24 purpose of the “Misconception” page, which is to debunk the misconception that evolution is  
25 **always** in conflict with religion. The page disproves that inaccuracy by presenting numerous  
26 counterexamples and by providing a link to evidence proving those counterexamples.  
27 Furthermore, plaintiff’s assertion that the UE site fails to acknowledge the existence of religious  
28 traditions that contradict evolution is false. The “Misconceptions” page itself notes that “[o]f

1 course, some religious beliefs explicitly contradict science (e.g., the belief that the world and all  
2 life on it was created in six literal days).” Complaint, Ex. 2. Moreover, other pages on the UE  
3 site provide links to extensive information about religious opposition to evolution. For example,  
4 one UE web page discusses the “controversies in the public arena relating to evolution,”  
5 [http://evolution.berkeley.edu/evolibrary/controversy\\_faq.php](http://evolution.berkeley.edu/evolibrary/controversy_faq.php), and links to a web page that  
6 provides a lengthy list of various creationist views, including Christian and non-Christian  
7 creationism, <http://www.talkorigins.org/faqs/wic.html>. That page in turn provides links to  
8 websites of many of the leading Christian creationist organizations, including the Creation  
9 Science Association for Mid-America, the Institute for Creation Research, Answers in Genesis,  
10 the Creation Research Society, Creation Science Evangelism, and the Discovery Institute, all of  
11 which include extended discussions of their anti-evolution beliefs.

12 Third, plaintiff complains about a number of statements made on the website regarding  
13 the nature of science and religion and the differences between the two, such as the statement on  
14 the “Misconceptions” page that “Religion and science (evolution) are very different things. In  
15 science, only natural causes are used to explain natural phenomena, while religion deals with  
16 beliefs that are beyond the natural world.” Complaint, Ex. 2. In this regard, the Complaint  
17 focuses particularly on the essay “The Domains of Science and Human Preferences” by Prof.  
18 John A. Moore. Complaint, Ex. 3. Plaintiff’s tack is to characterize many of the ideas stated in  
19 that article – such as the ideas that “science and religion are both human constructs,” that science  
20 is “rational” while religion requires “emotional” belief, and that, in contrast to scientific  
21 conclusions, faith-based religious beliefs “demand neither evidence nor proof” – and to claim that  
22 these ideas are themselves “religious beliefs” or “religious viewpoints” which the site “endorses.”  
23 Complaint, ¶ 24(a). But here, plaintiff is just playing games with the word “religion.” In fact,  
24 Moore’s essay plainly articulates, in essence, philosophical ideas about the respective natures of  
25 science and religion and about scientific and religious belief. Denominating such ideas as  
26 “religious” and therefore outside the bounds of permitted faculty speech at a public university  
27  
28

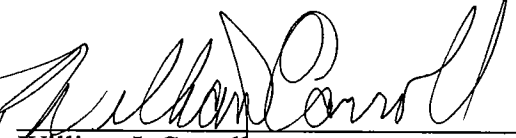
1 would effectively prohibit any academic discussion of religion, philosophy, or the nature of  
2 human knowledge. “As the Supreme Court recognized in [*Rosenberger v. Rector & Visitors of*  
3 *the Univ. of Va.*, 515 U.S. 819, 836-837 (1995)], purging religious or anti-religious speech from a  
4 university setting would eliminate such speakers as Plato, Spinoza, Descartes, Karl Marx,  
5 Bertrand Russell, and Jean-Paul Sartre from the curriculum.” *O’Connor v. Washburn Univ.*, 416  
6 F.3d 1216, 1229-1230 (10th Cir. 2005). As noted above, the Supreme Court has repeatedly  
7 rejected such an interpretation of the Establishment Clause. *Stone v. Graham*, 449 U.S. at 42;  
8 *Lynch*, 465 U.S. at 679. To the extent that views about the respective nature of science and  
9 religion can be described as “religious” at all, Professor Moore’s essay is clearly within this  
10 constitutionally permissible sphere. Furthermore, the mere fact that government promotes a  
11 message that conflicts with plaintiff’s religious beliefs or is consistent with other religious ideas,  
12 does not render otherwise secular speech religious. *Van Orden*, 125 S.Ct. at 2863 (“Simply  
13 having religious content or promoting a message consistent with a religious doctrine does not run  
14 afoul of the Establishment Clause.”); *Epperson*, 393 U.S. at 107 (“the state has no legitimate  
15 interest in protecting any or all religions from views distasteful to them”) (quotation, citation  
16 omitted); *Lee v. Weisman*, 505 U.S. 577, 627 (1992) (Souter, J. concurring) (“That government  
17 must remain neutral in matters of religion does not foreclose it from ever taking religion into  
18 account.”).

19 **IV. CONCLUSION**

20 For the foregoing reasons, defendants Roy L. Caldwell, Ph.D. and David Lindberg  
21 respectfully request this Court grant their motion to dismiss plaintiff’s complaint in its entirety,  
22 with prejudice.

24 DATED: December 19, 2005

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25  
26 By 

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